

FIG. 2 PRIOR ART

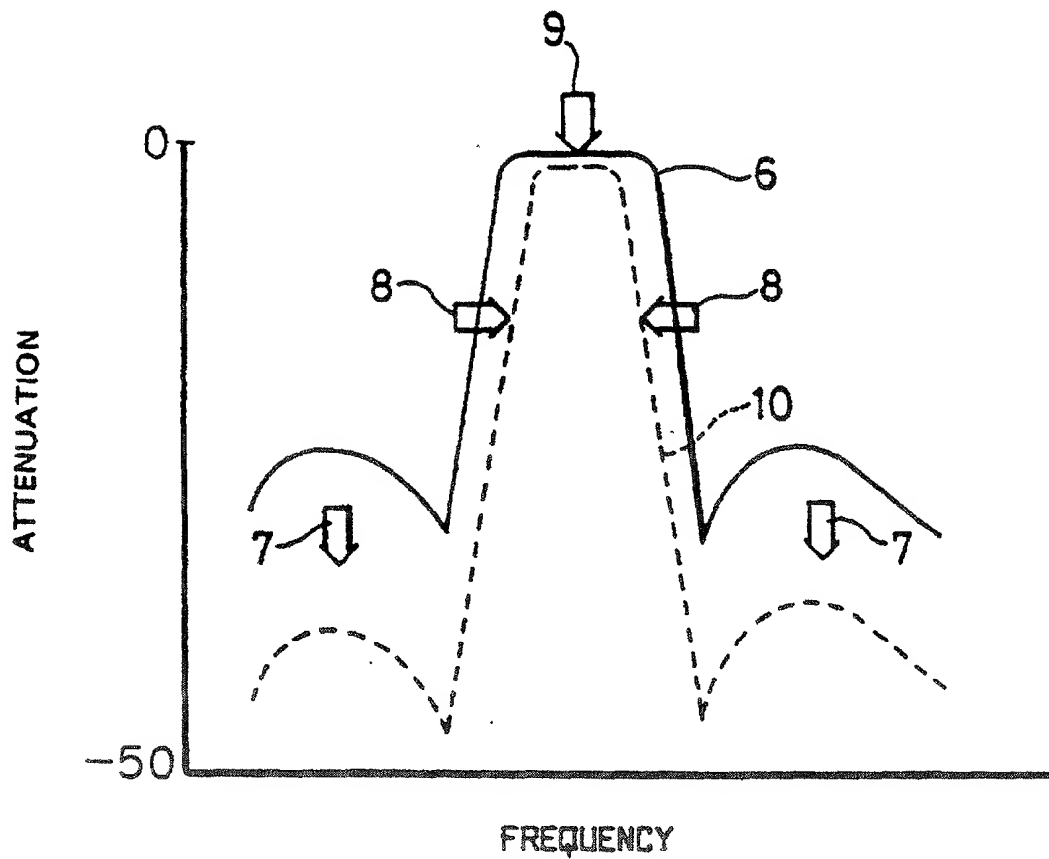


FIG. 2 PRIOR ART

FIG. 3

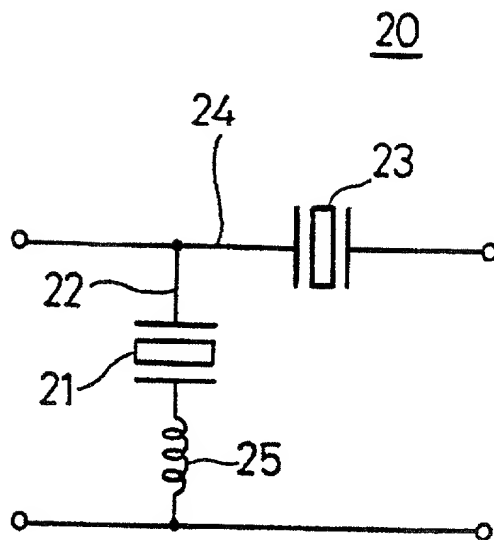
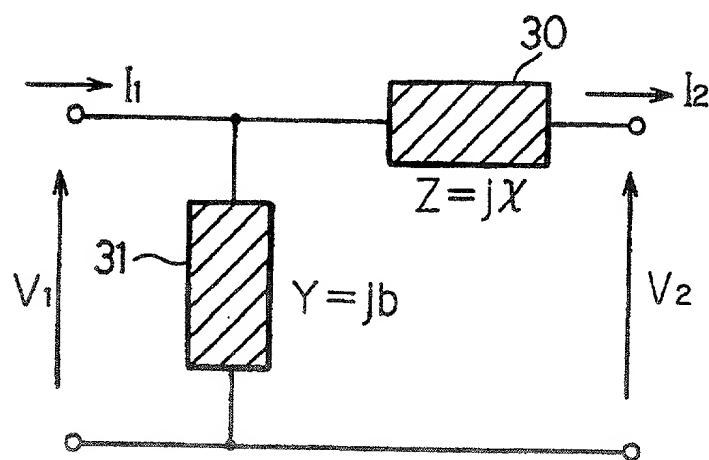


FIG. 4



F MATRIX

$$\begin{pmatrix} V_1 \\ I_1 \end{pmatrix} = \begin{pmatrix} A & B \\ C & D \end{pmatrix} \begin{pmatrix} V_2 \\ I_2 \end{pmatrix}$$

FIG. 5A

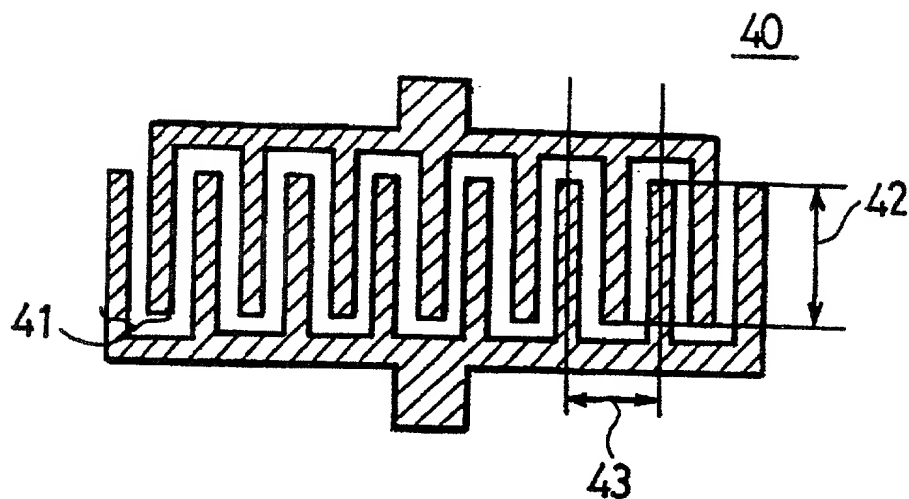


FIG. 5B

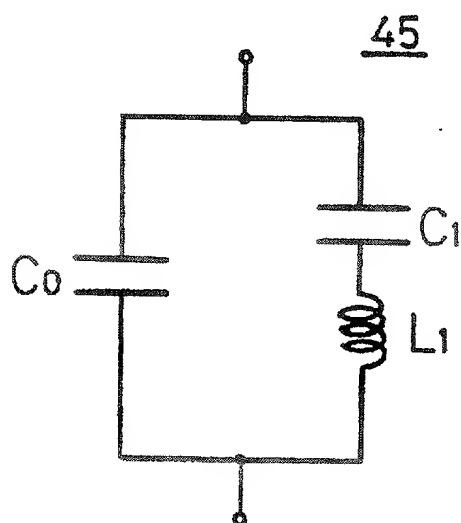


FIG. 5C

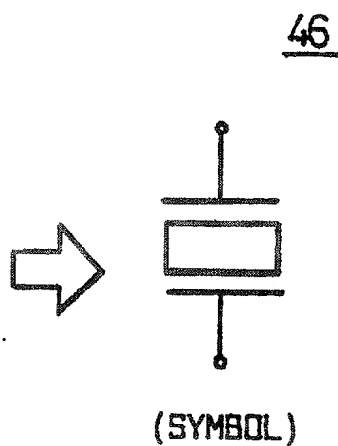


FIG. 5A

FIG. 6A

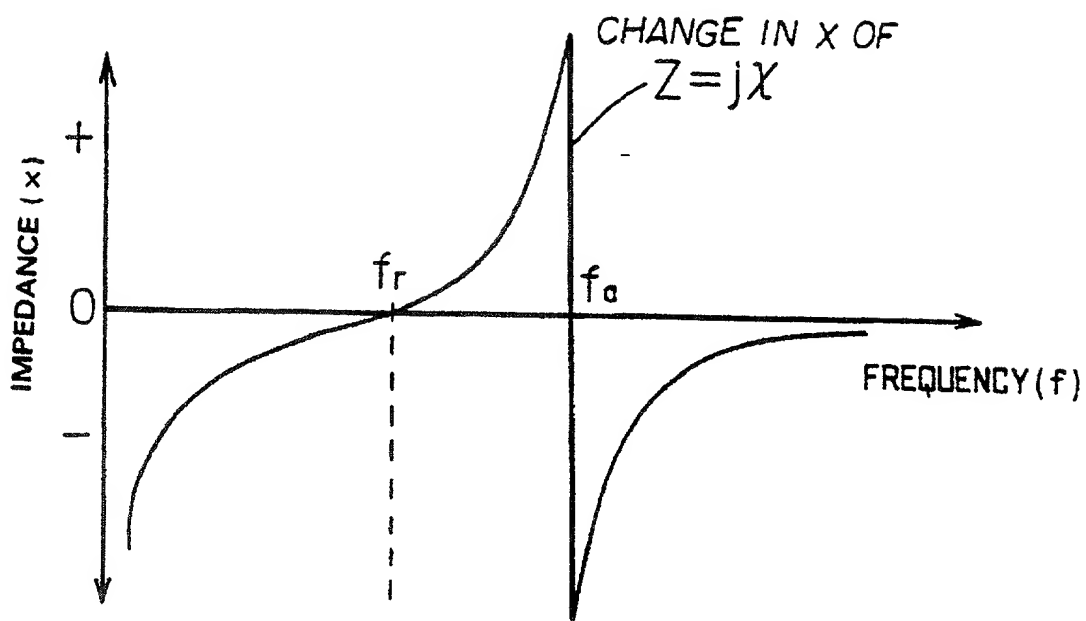
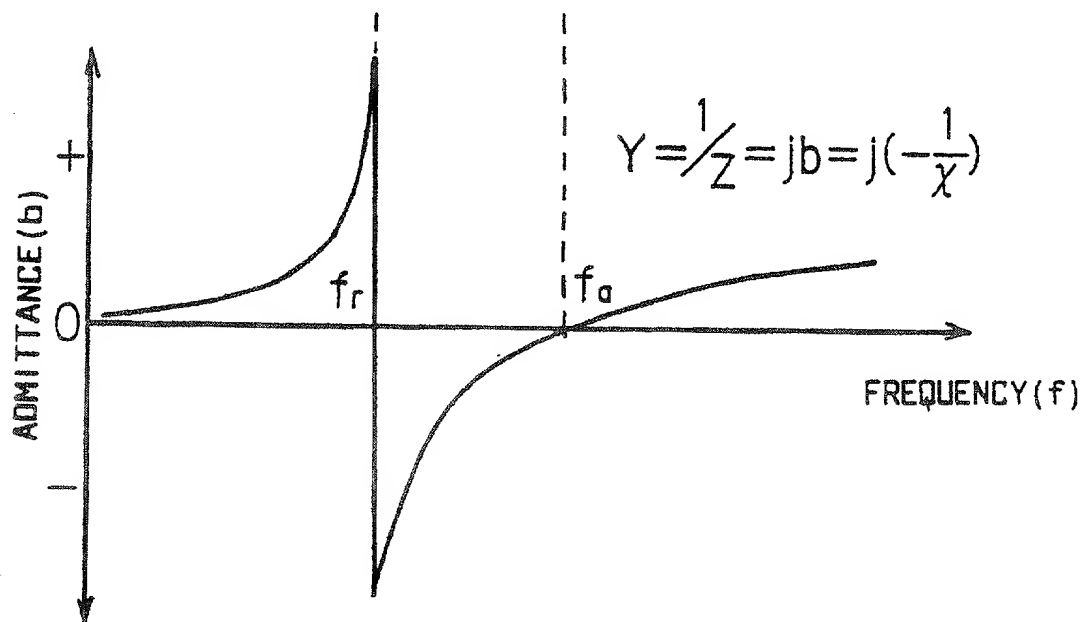
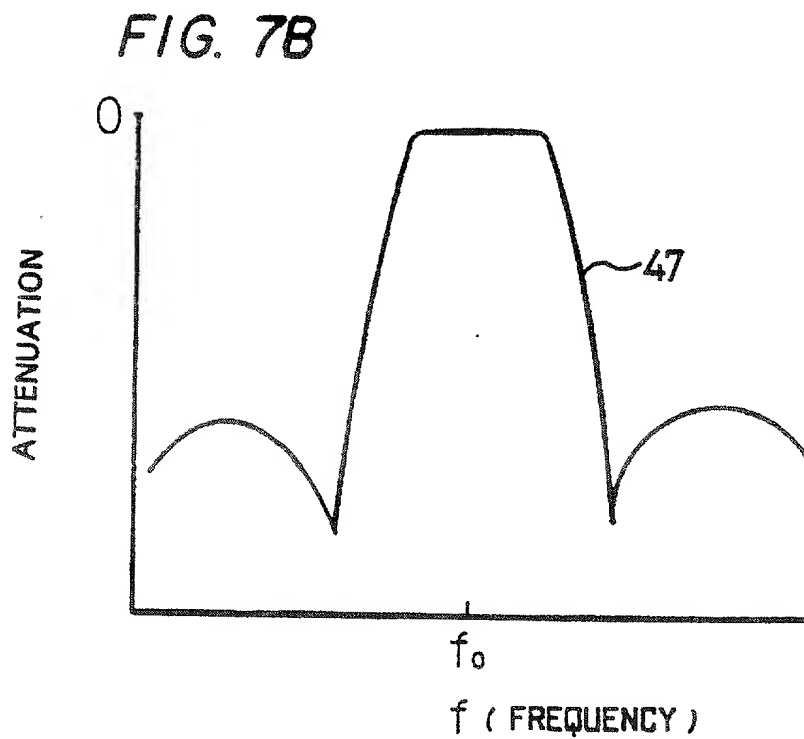
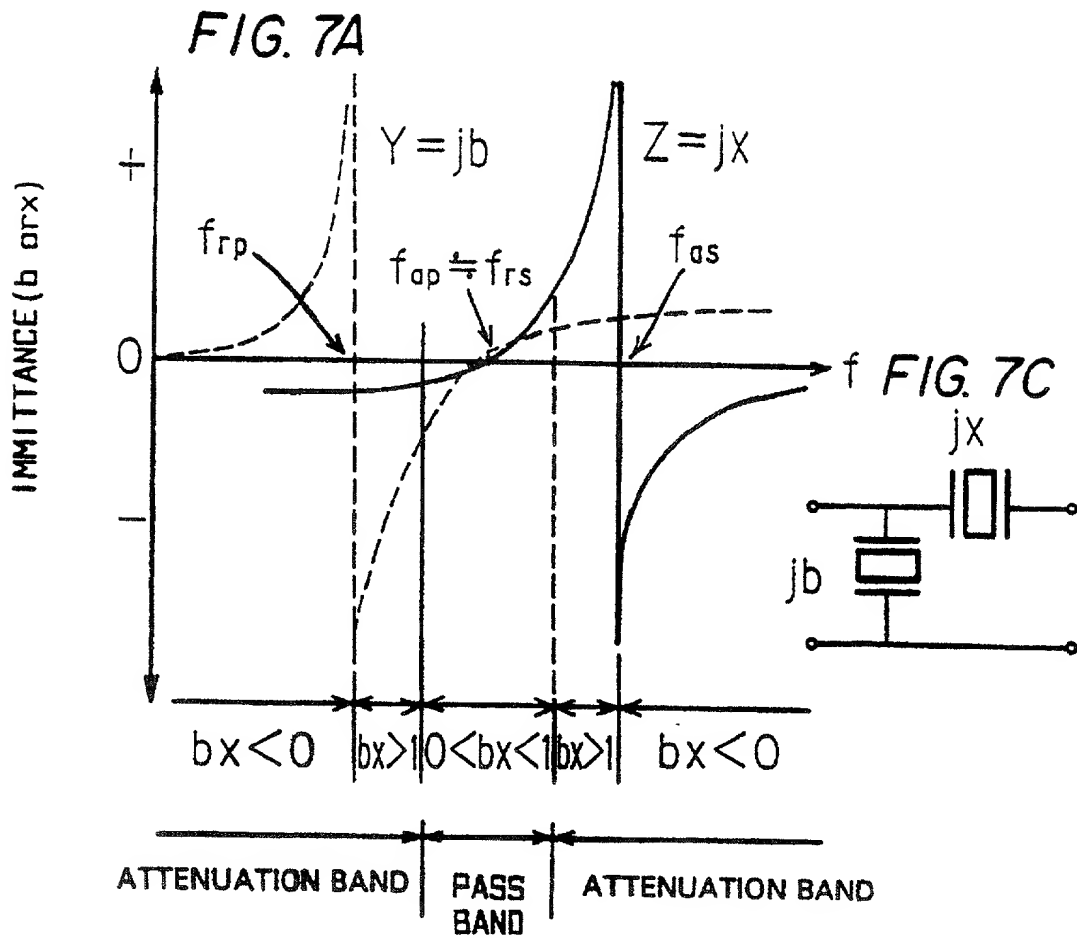
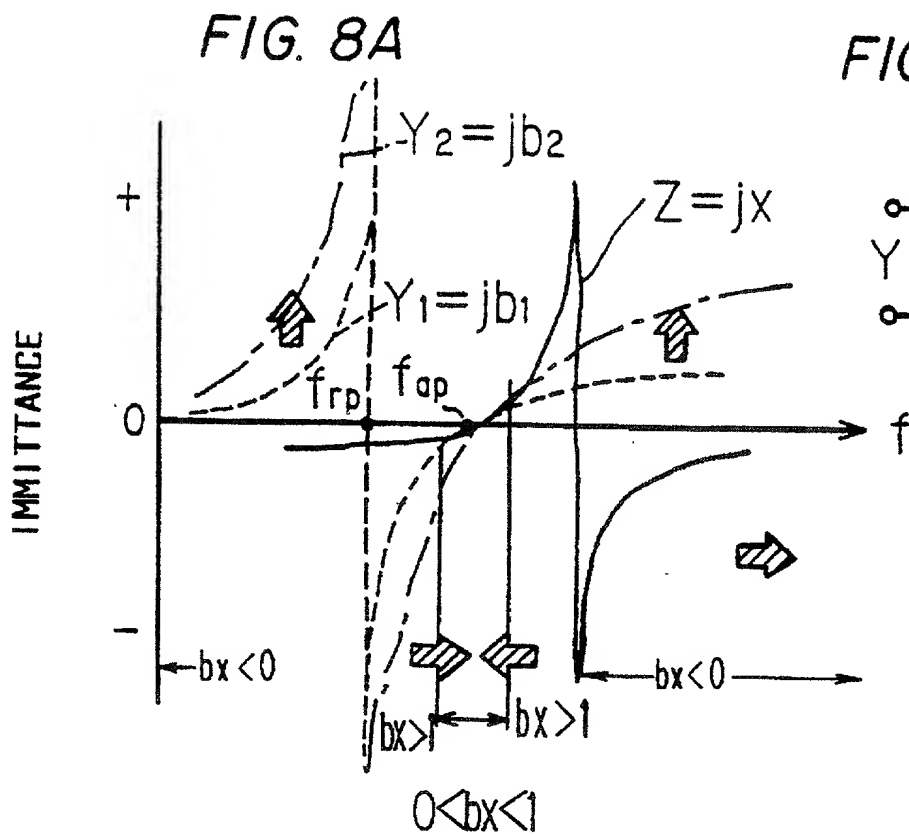


FIG. 6B

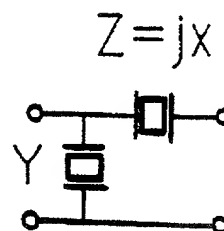


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**FIG. 8C**



**FIG. 8B**

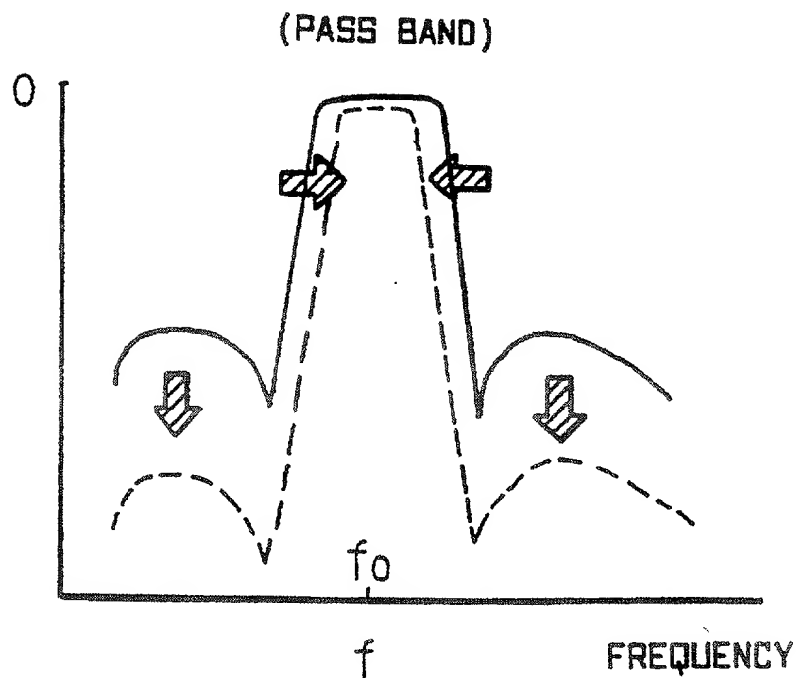


FIG. 9B

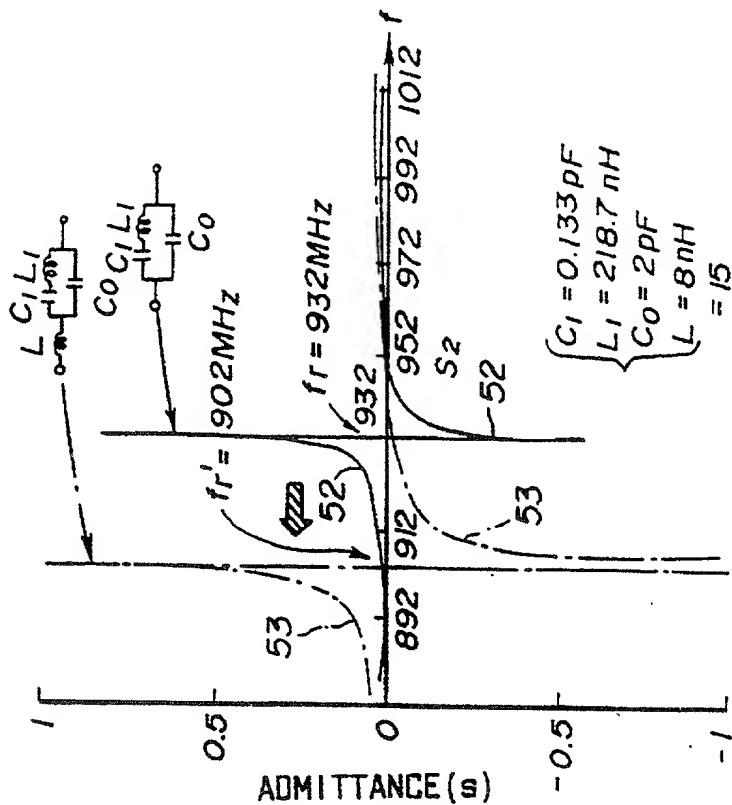
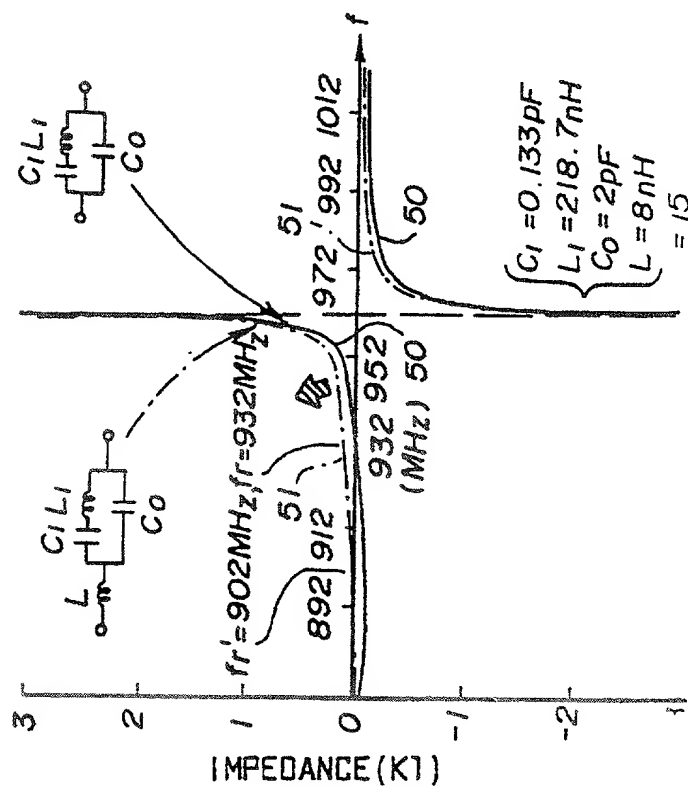


FIG. 9A



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FIG. 10A

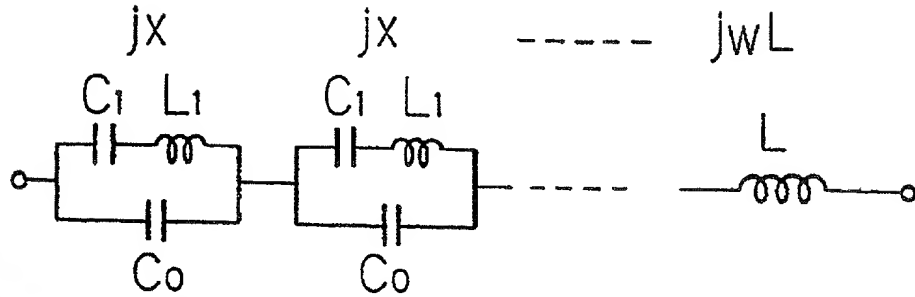


FIG. 10B

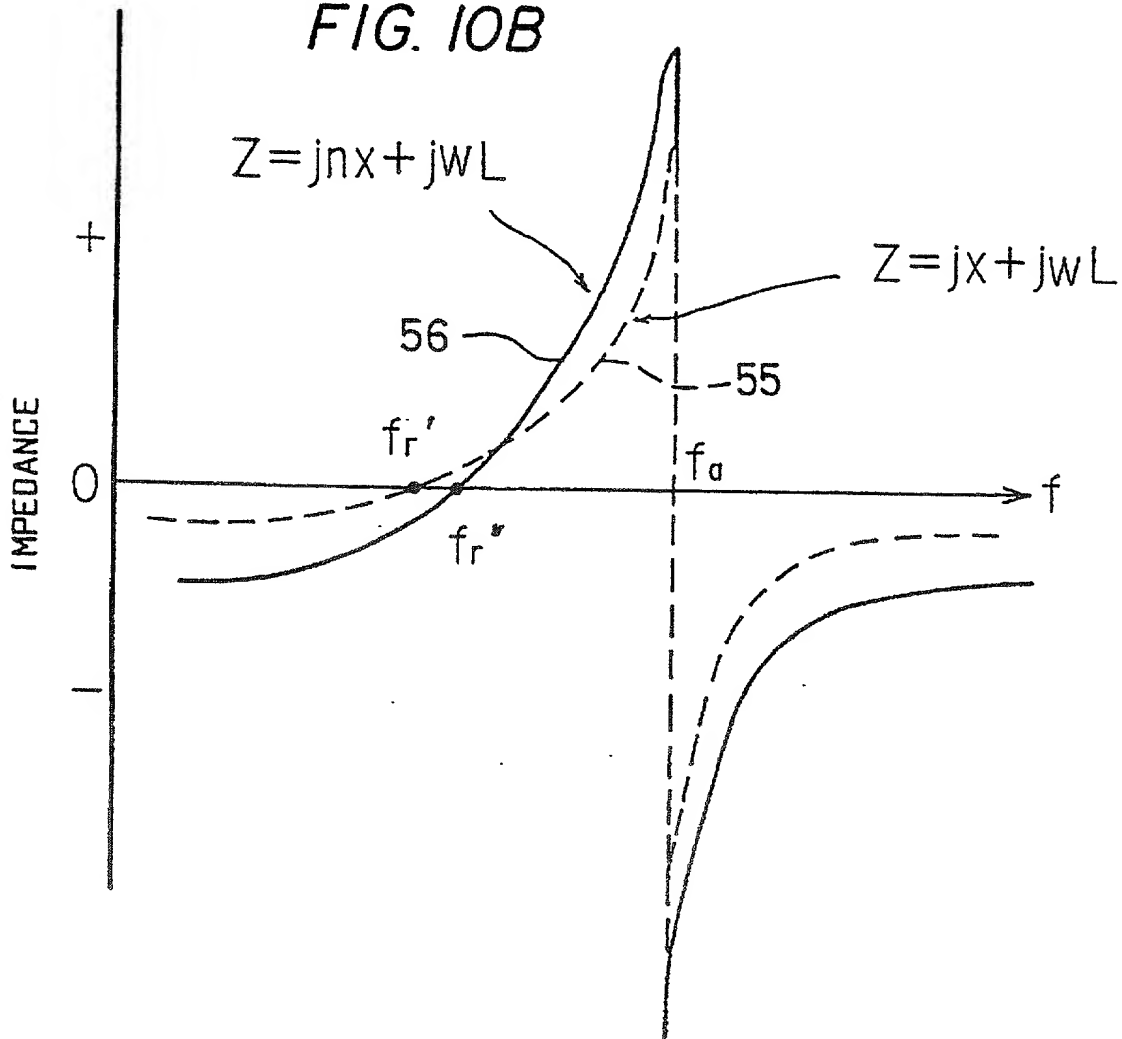


FIG. 10B



FIG. IIA

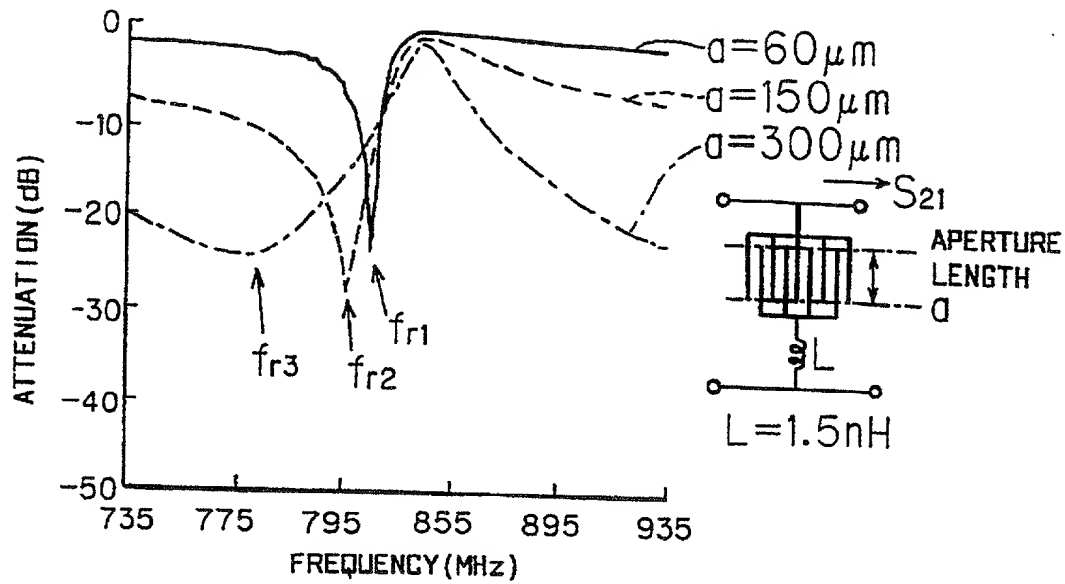


FIG. IIB

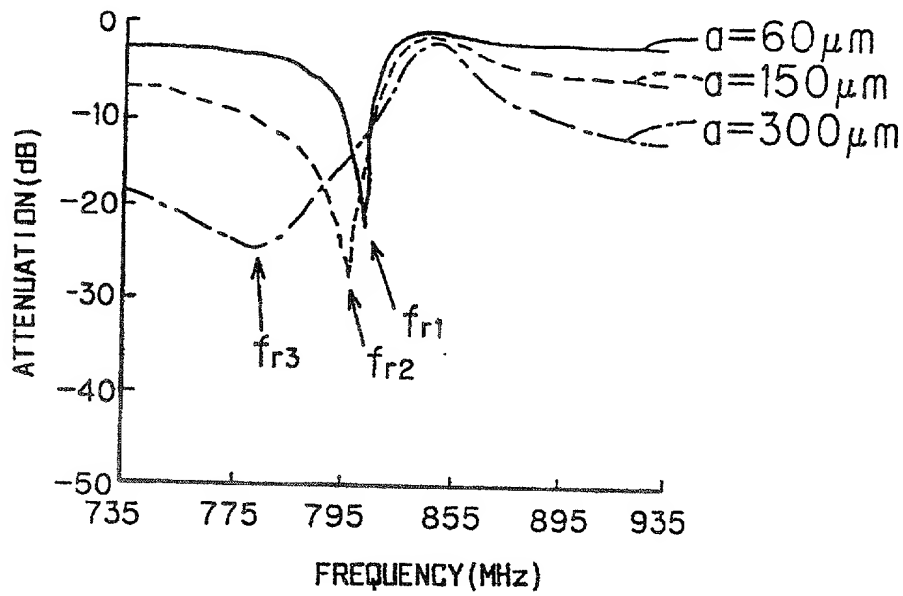


FIG. 12A

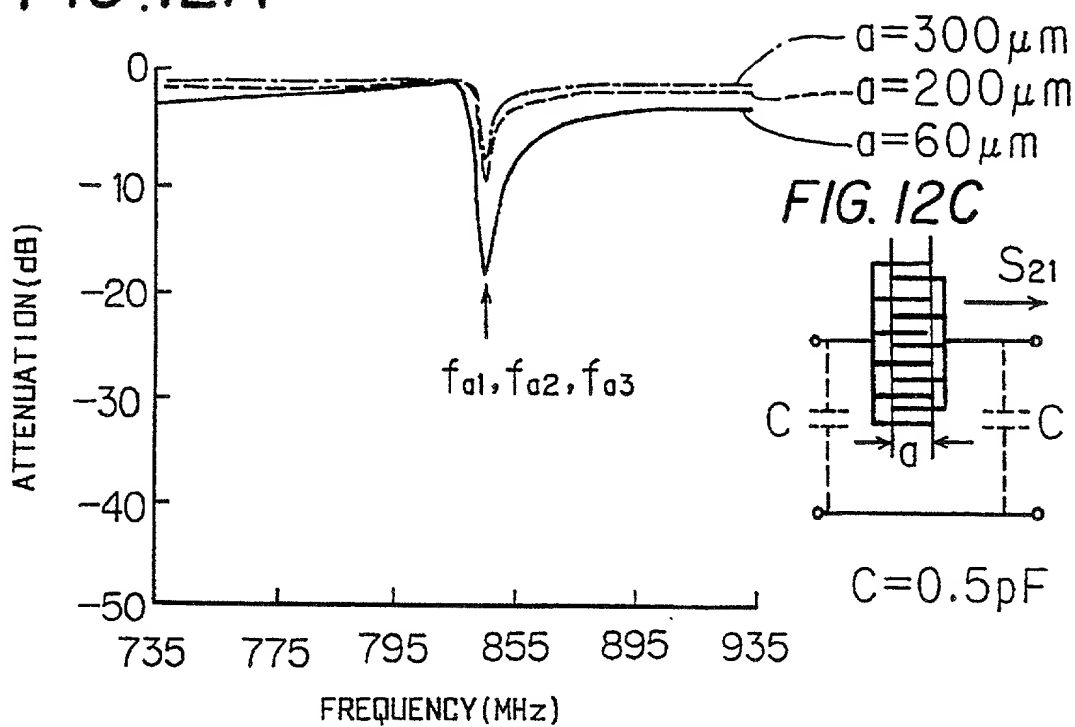


FIG. 12B

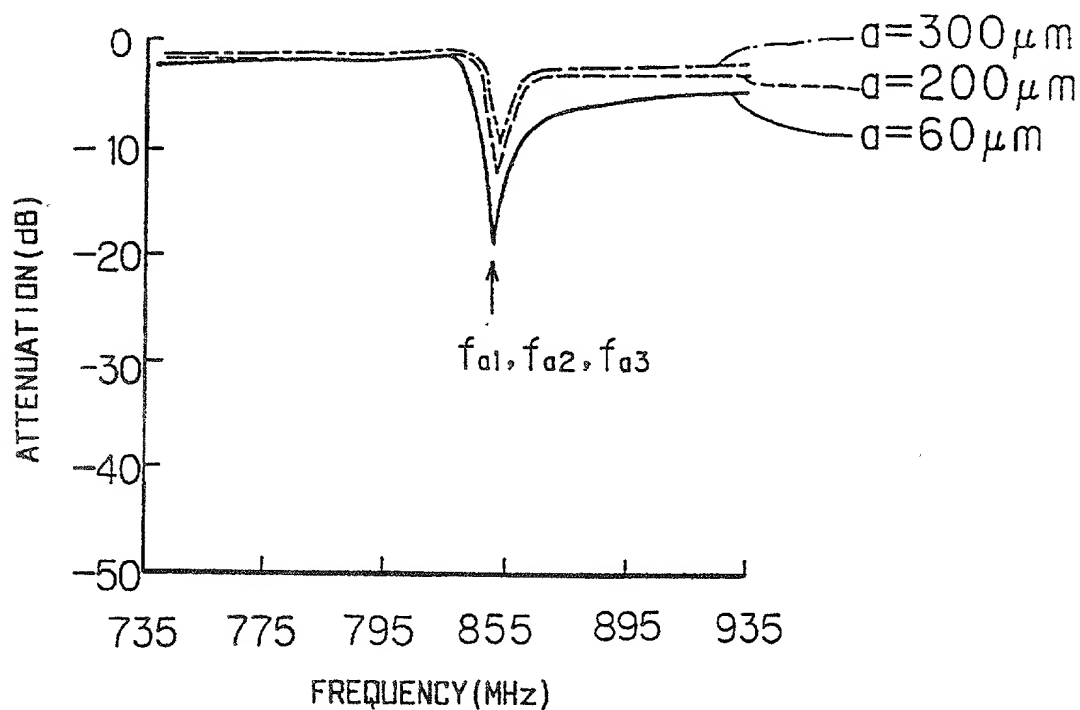


FIG. 13

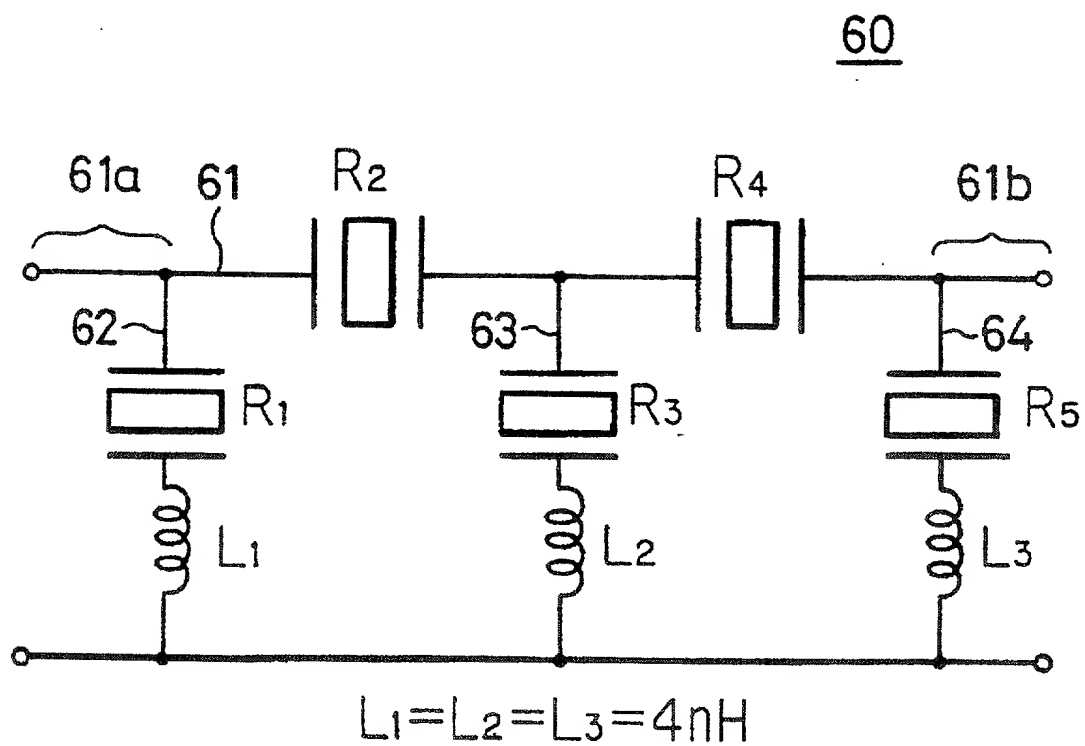


FIG. 14

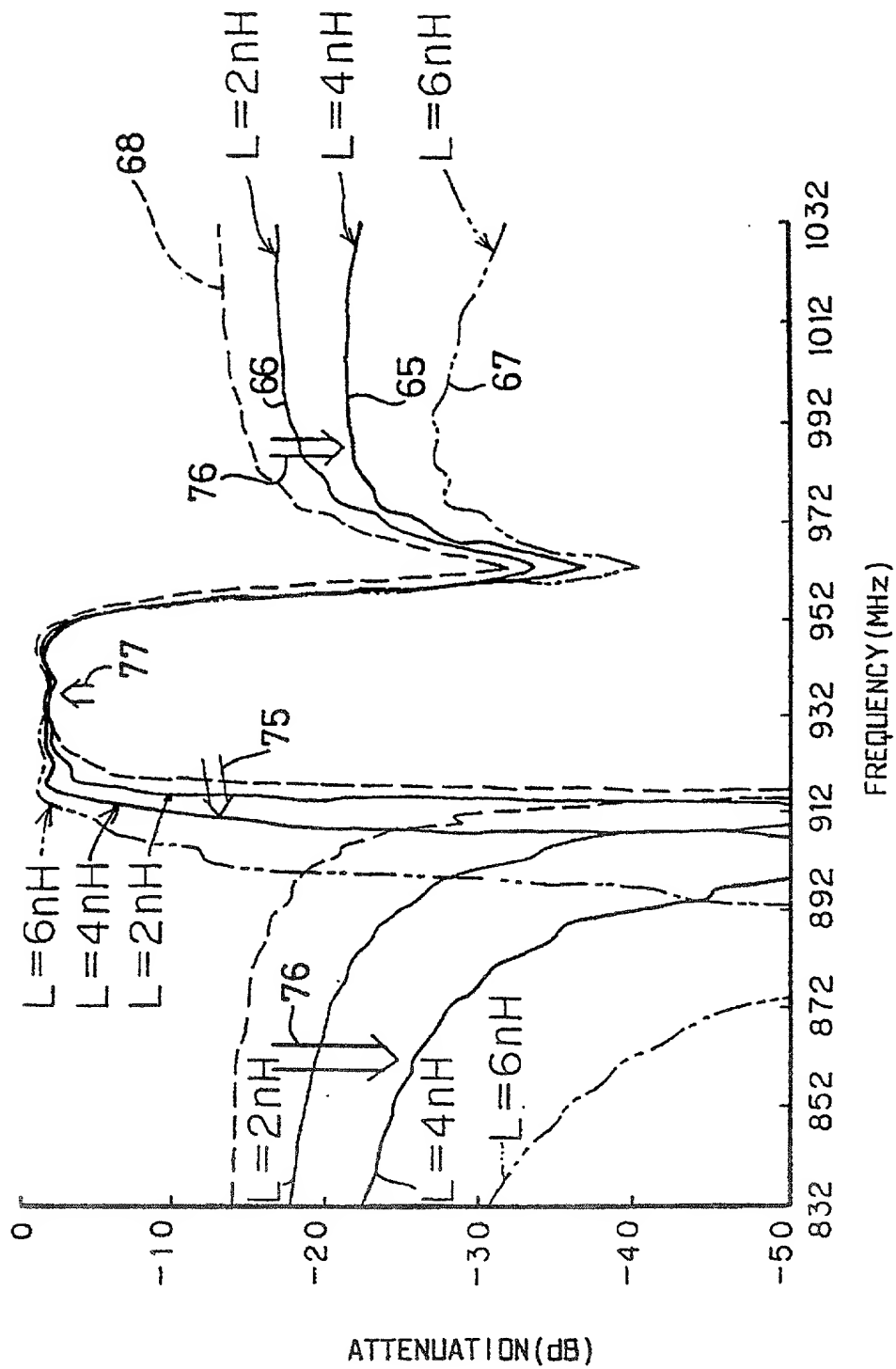


FIG. 15A

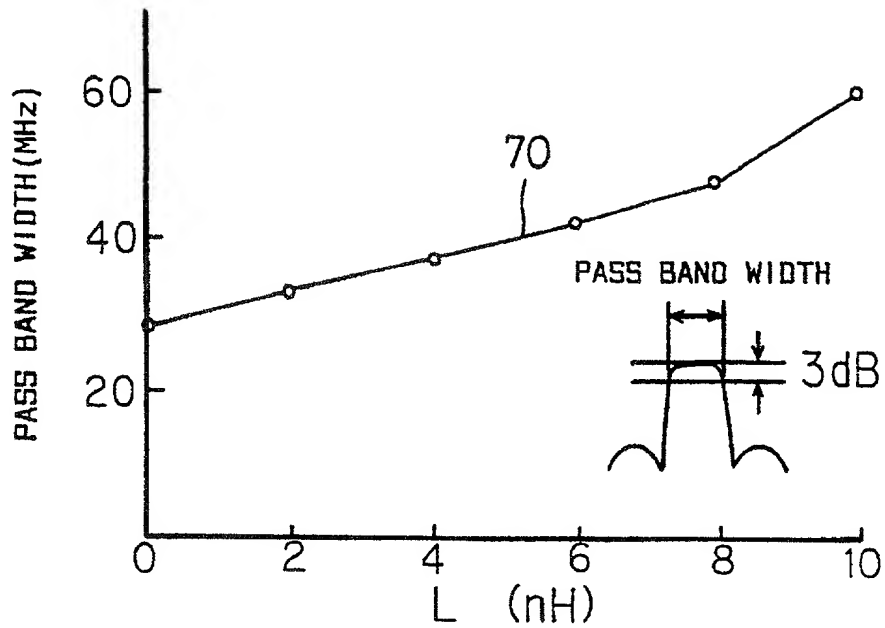


FIG. 15B

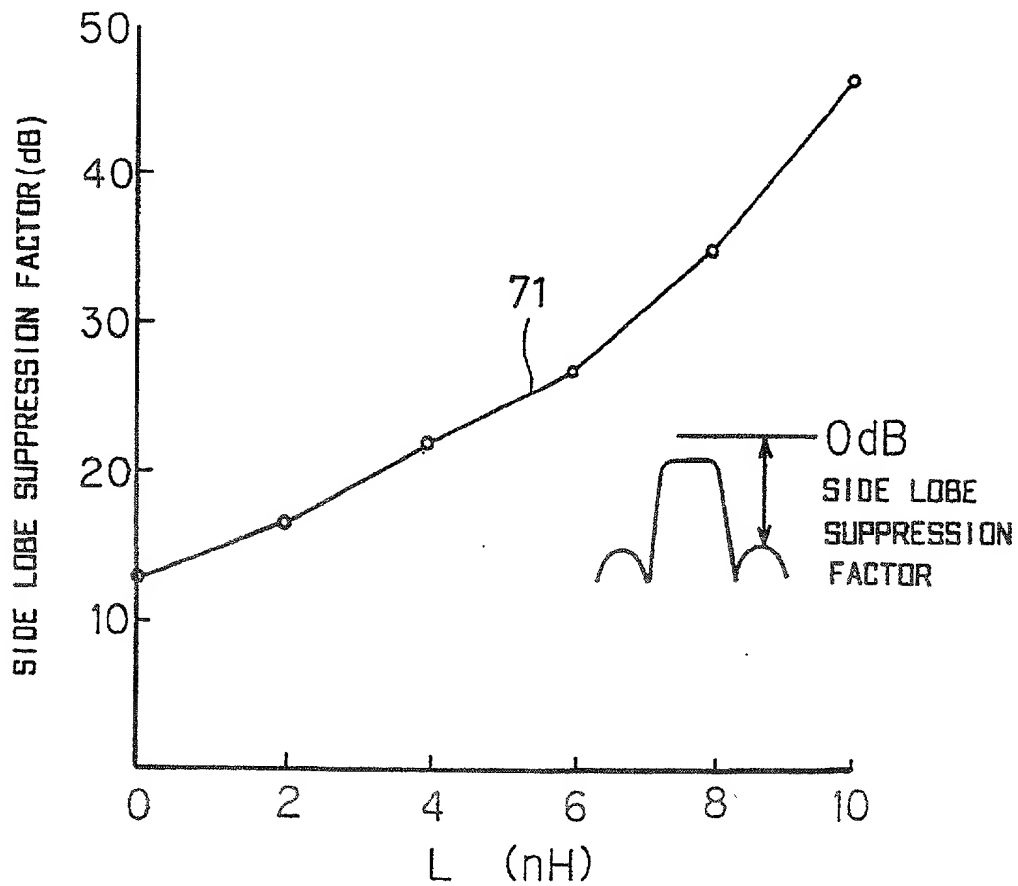


FIG. 16

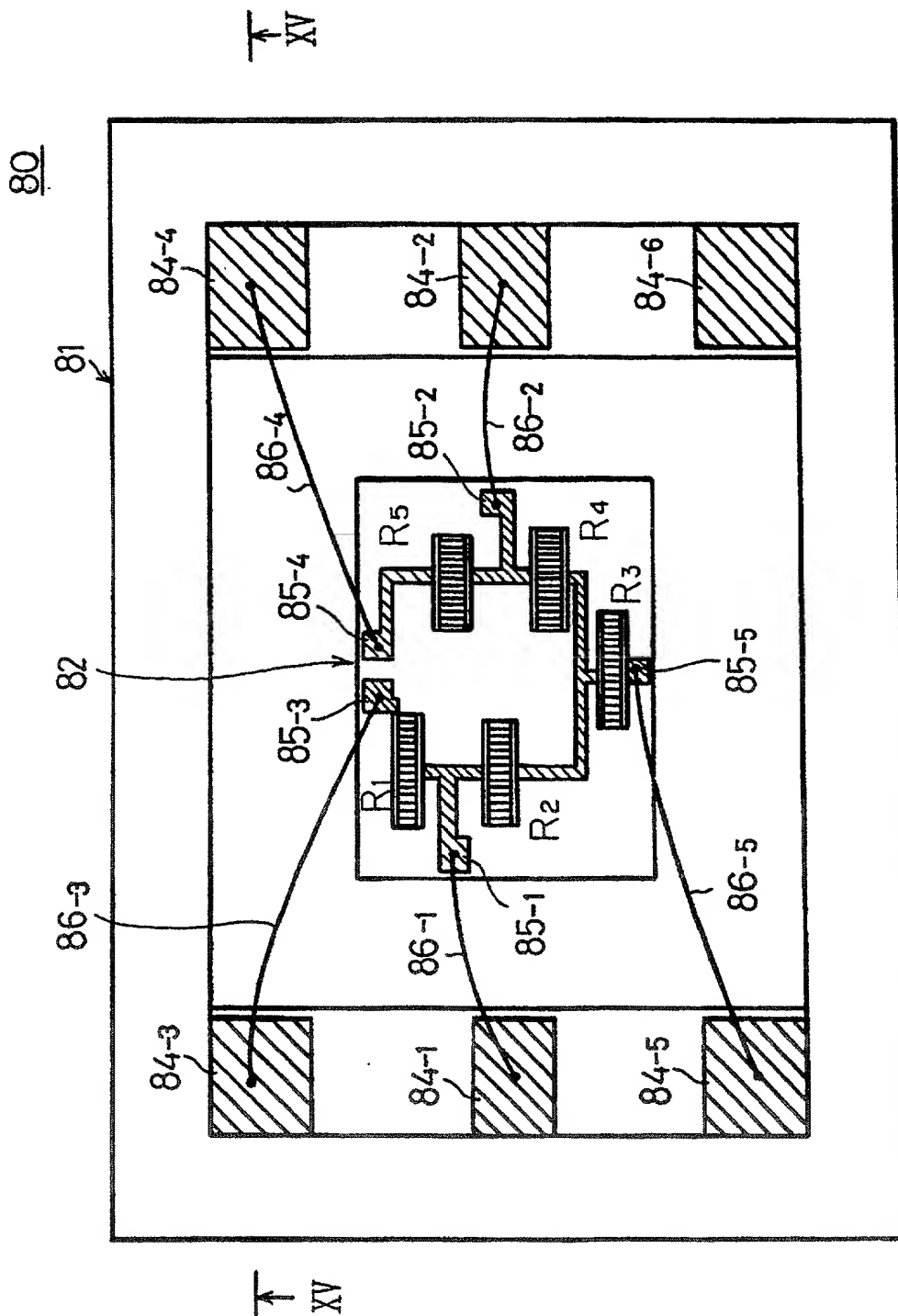


FIG. 17

80

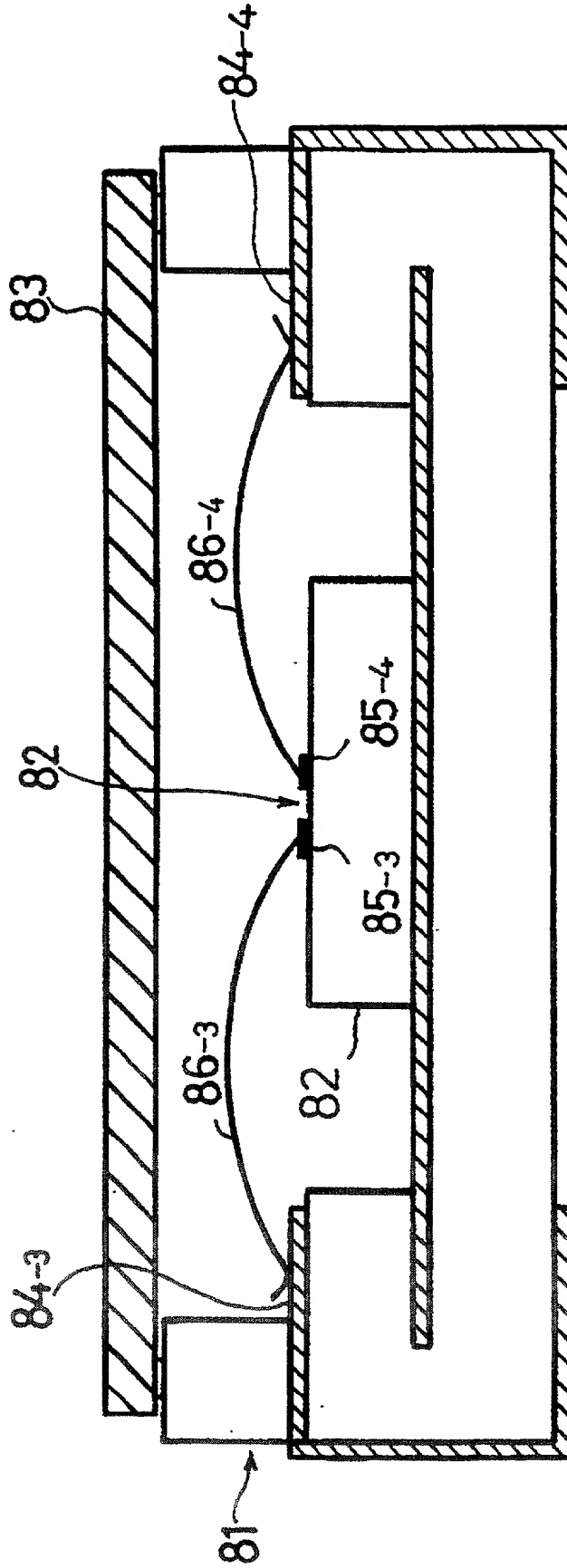


FIG. 18

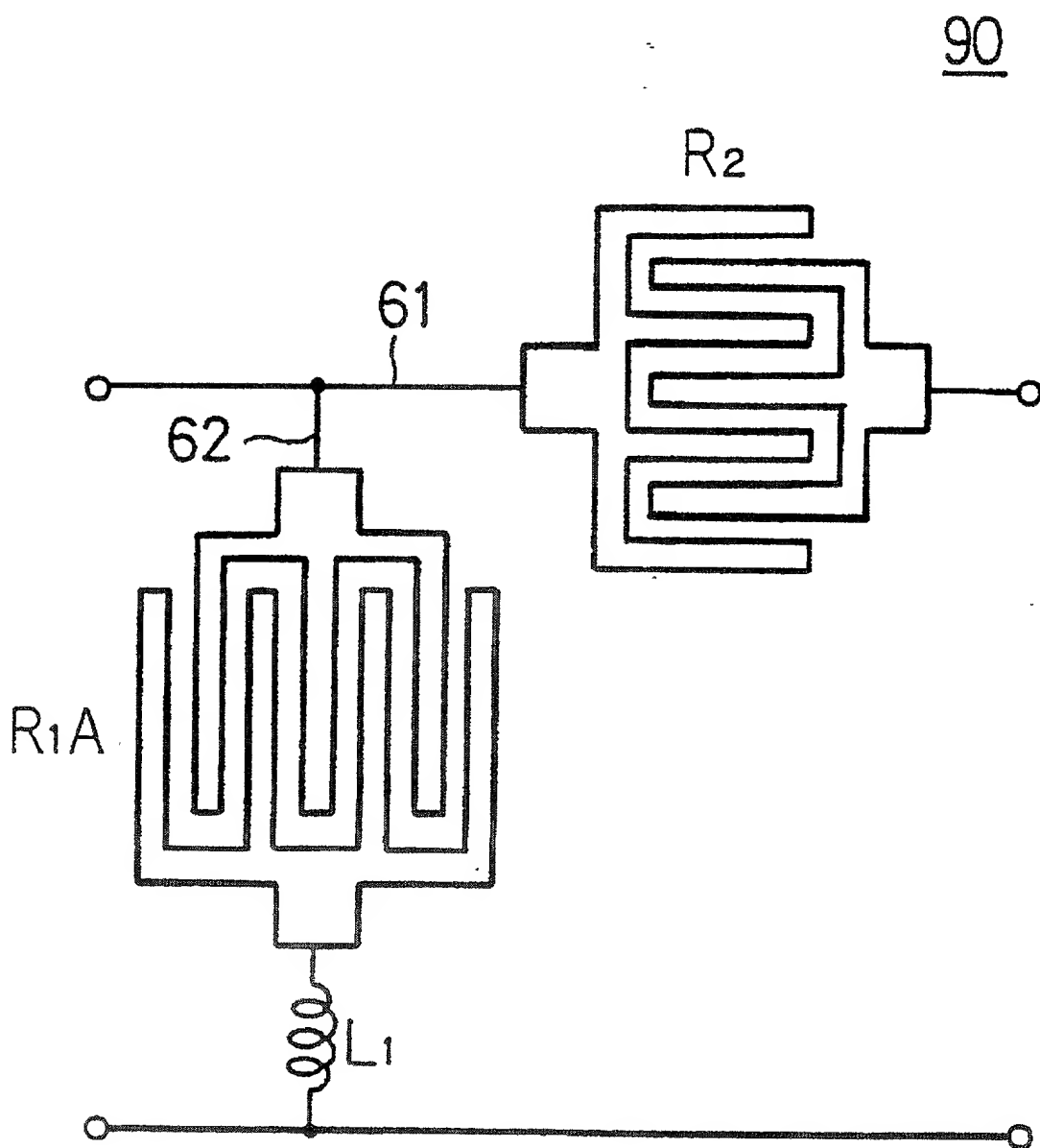




FIG. 19

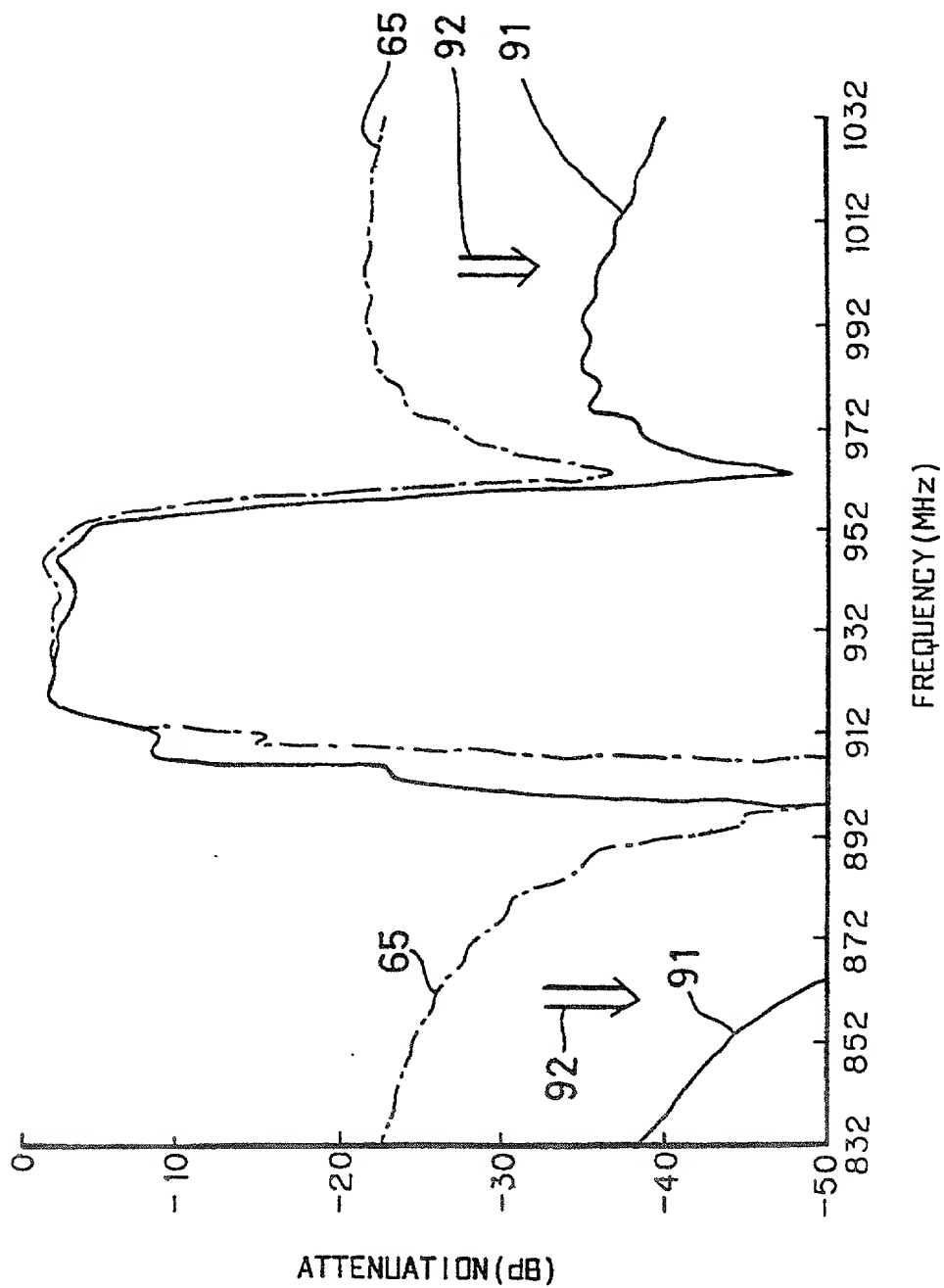


FIG. 20A

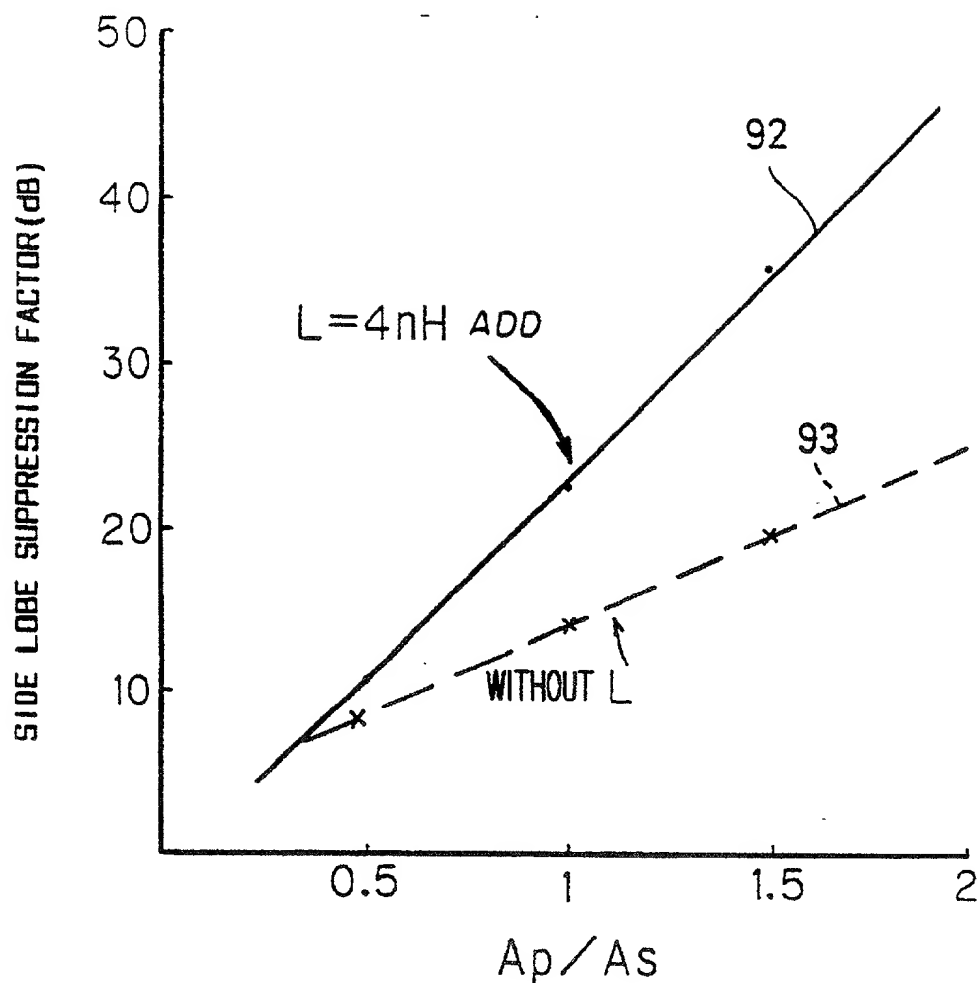


FIG. 20B

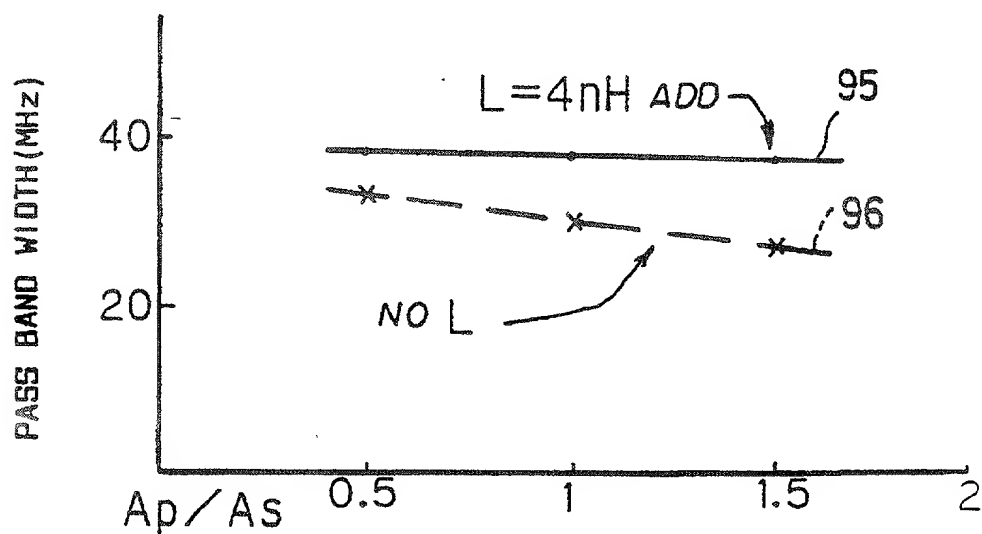


FIG. 21

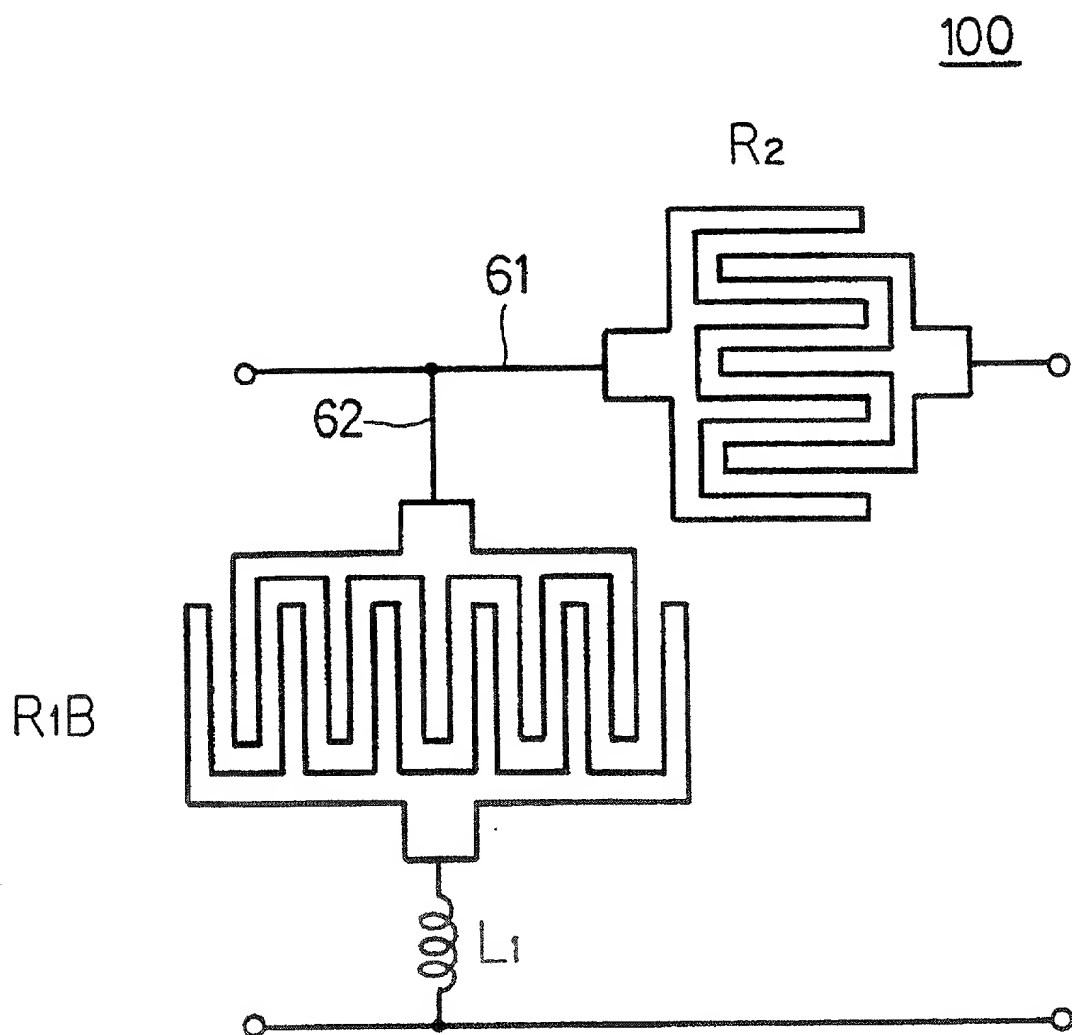


FIG. 22

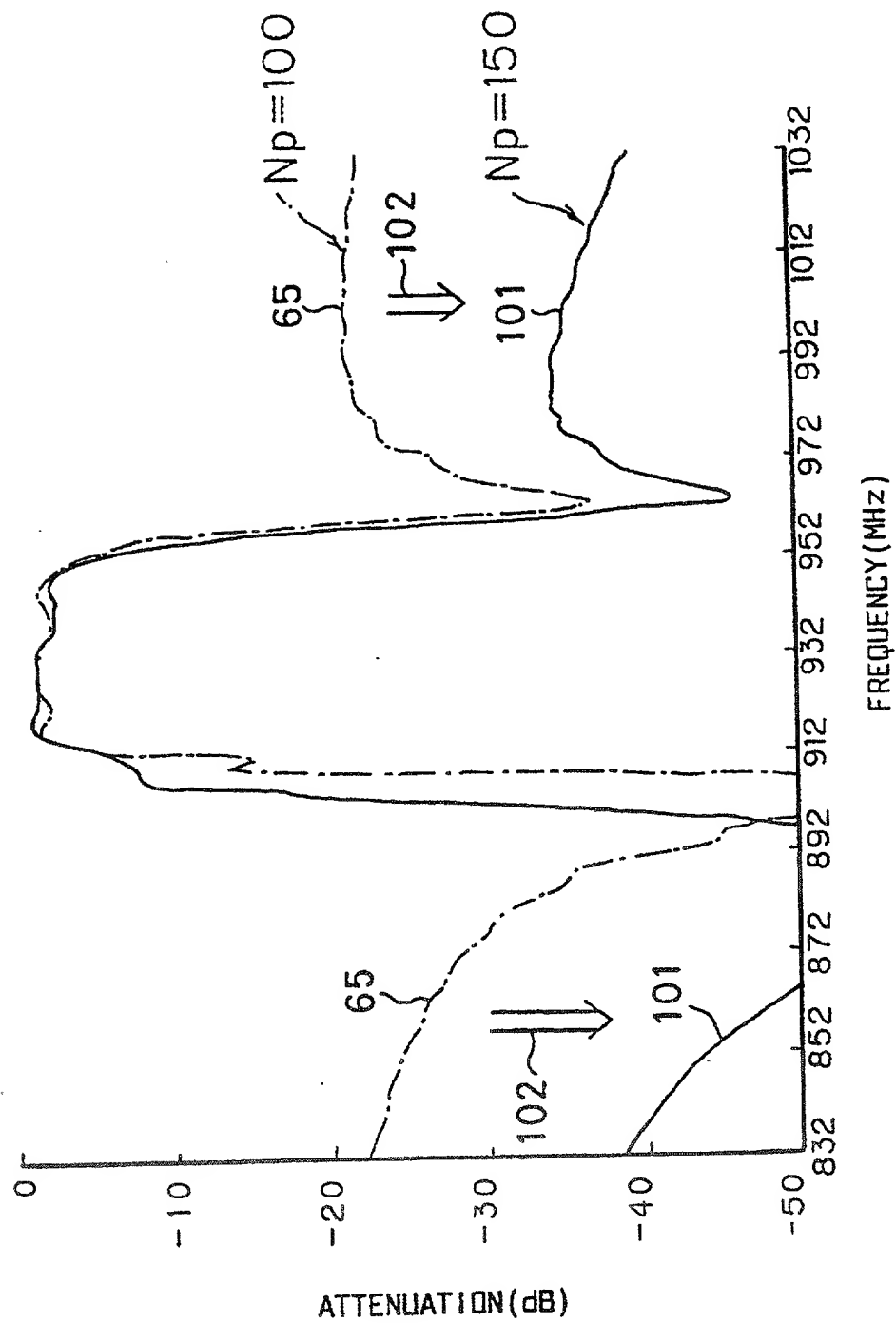


FIG. 23

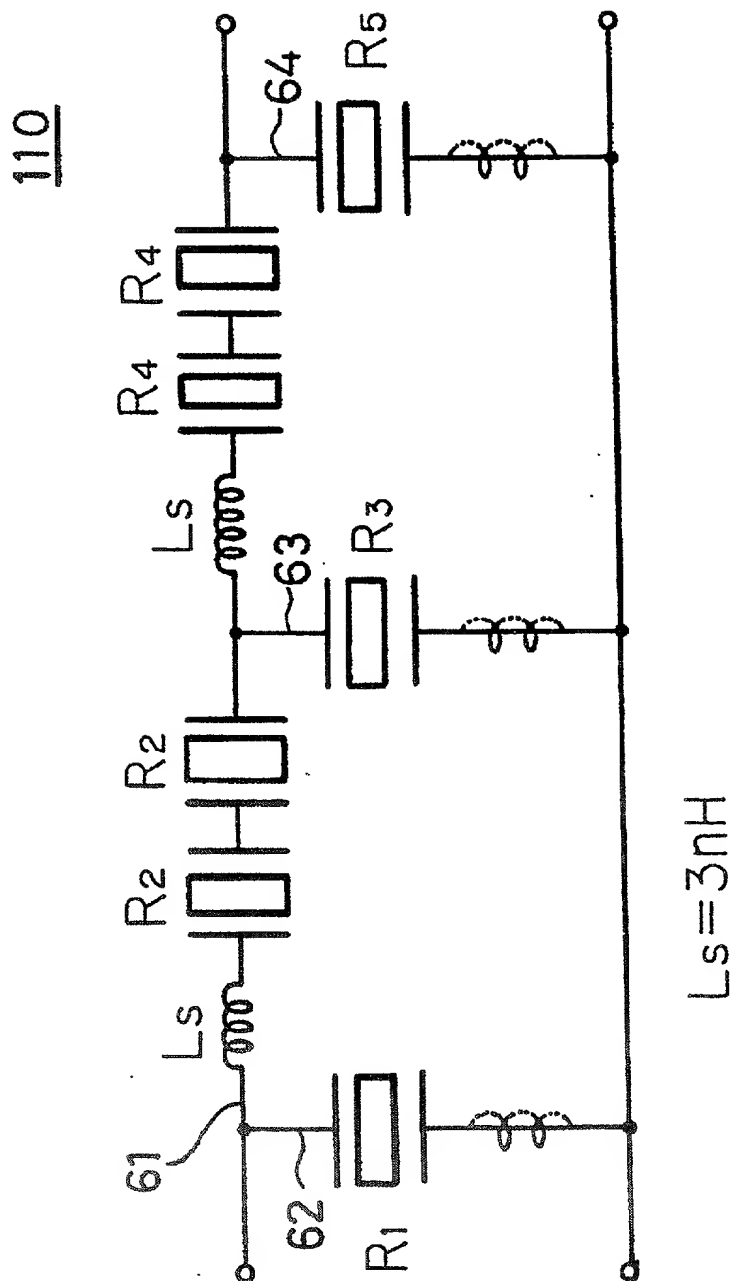


FIG. 24

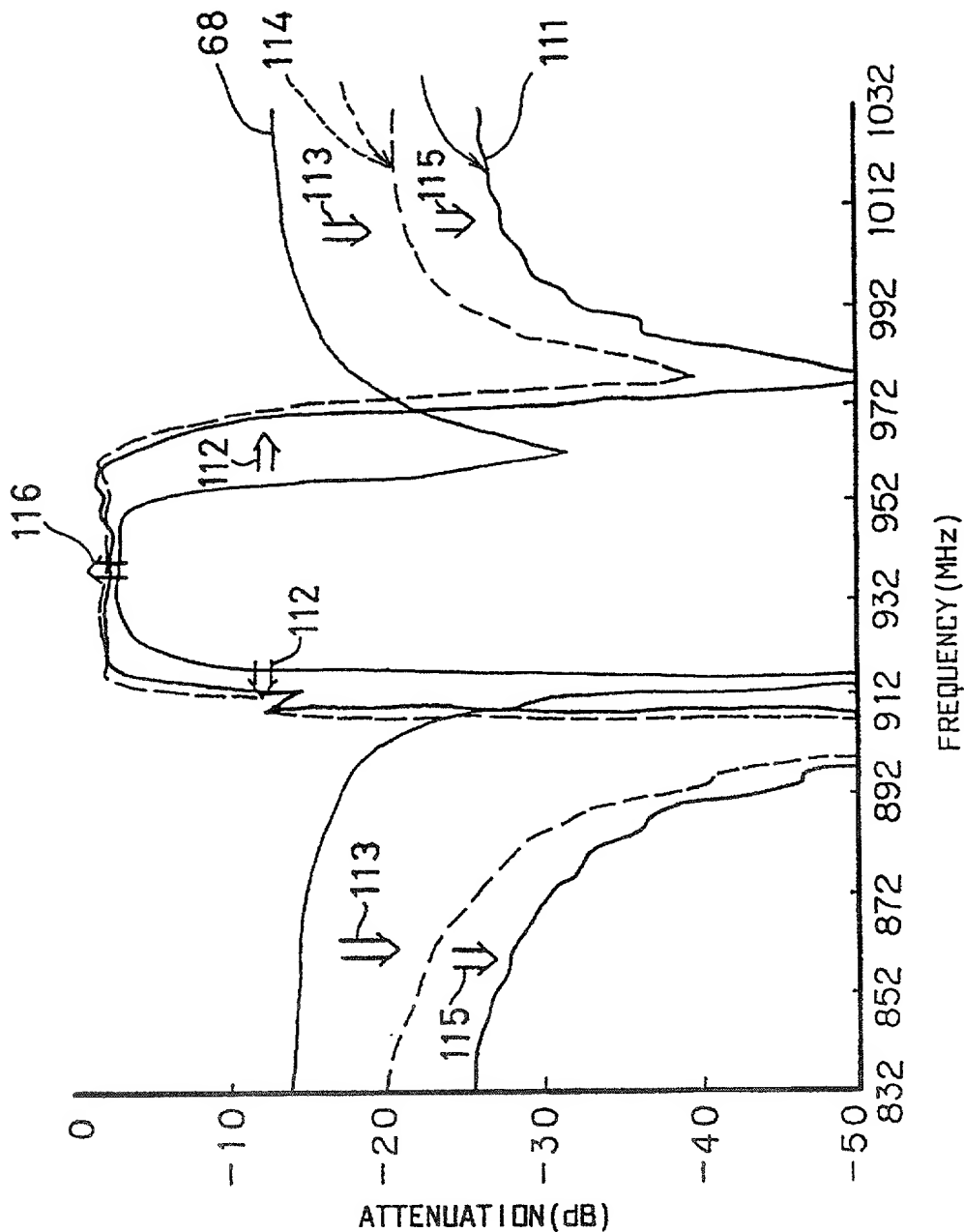


FIG. 24

FIG. 25

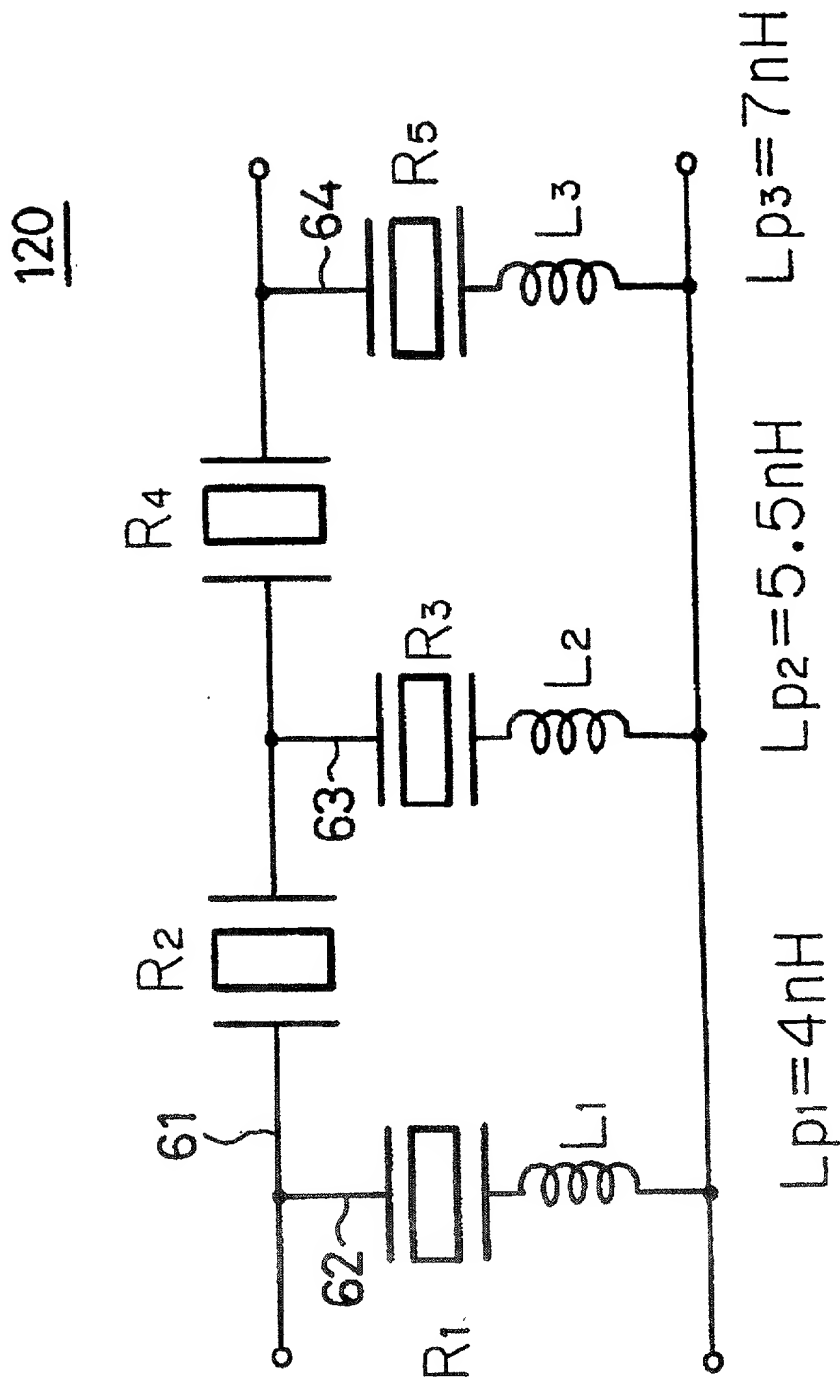
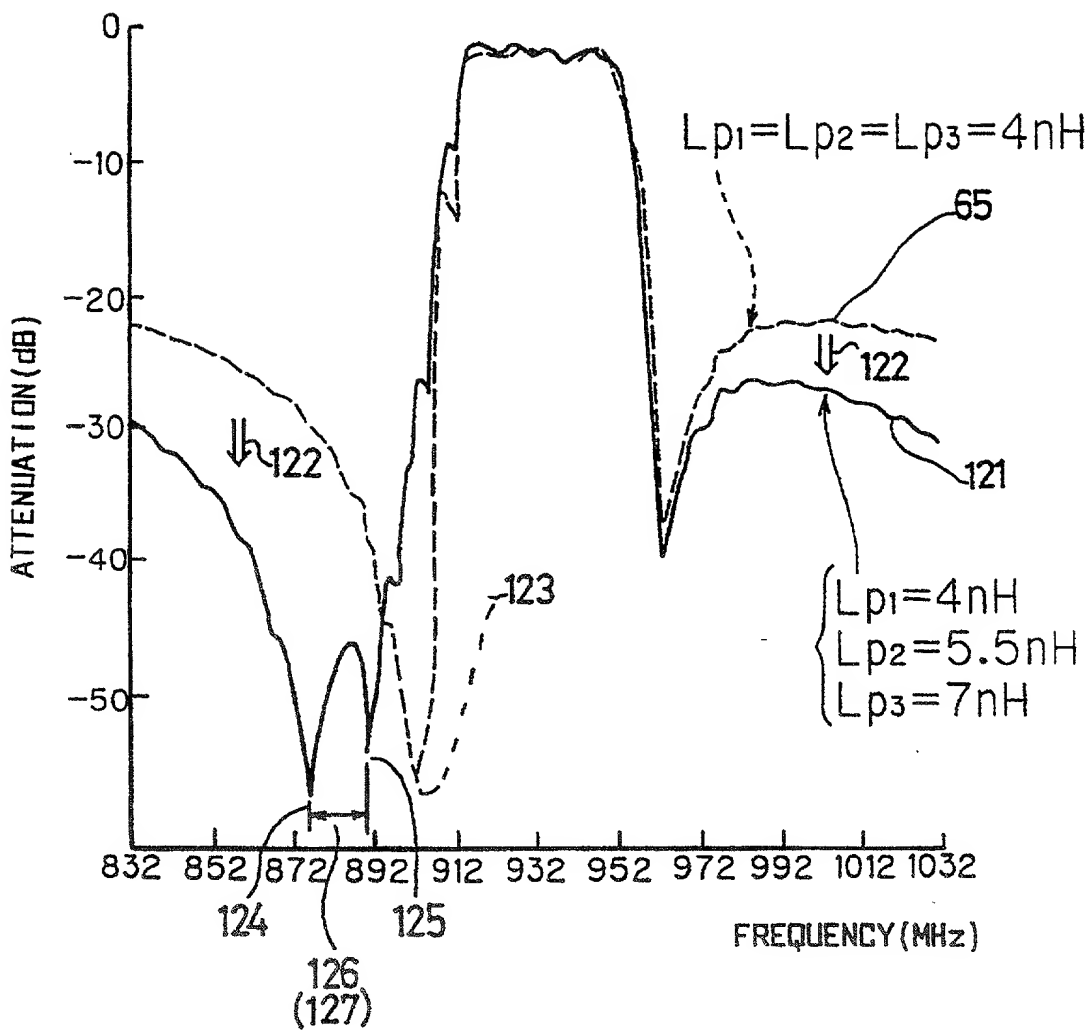


FIG. 26





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FIG. 27

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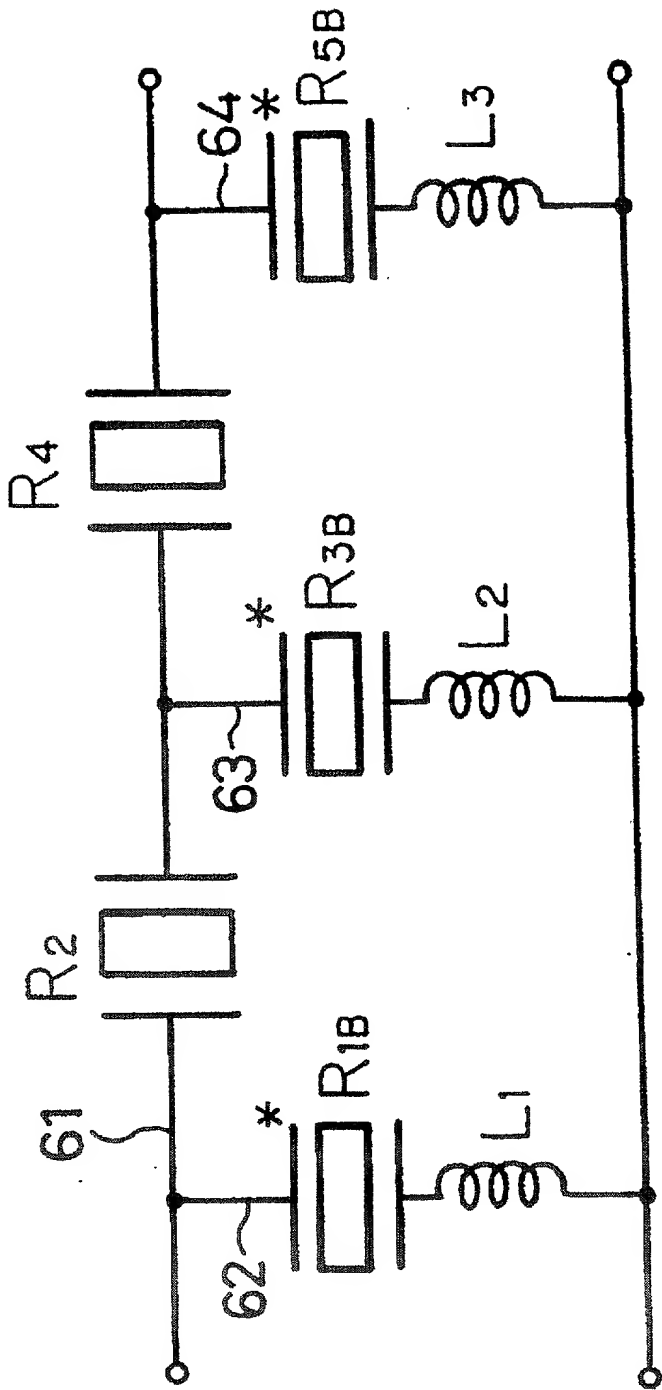


FIG. 28

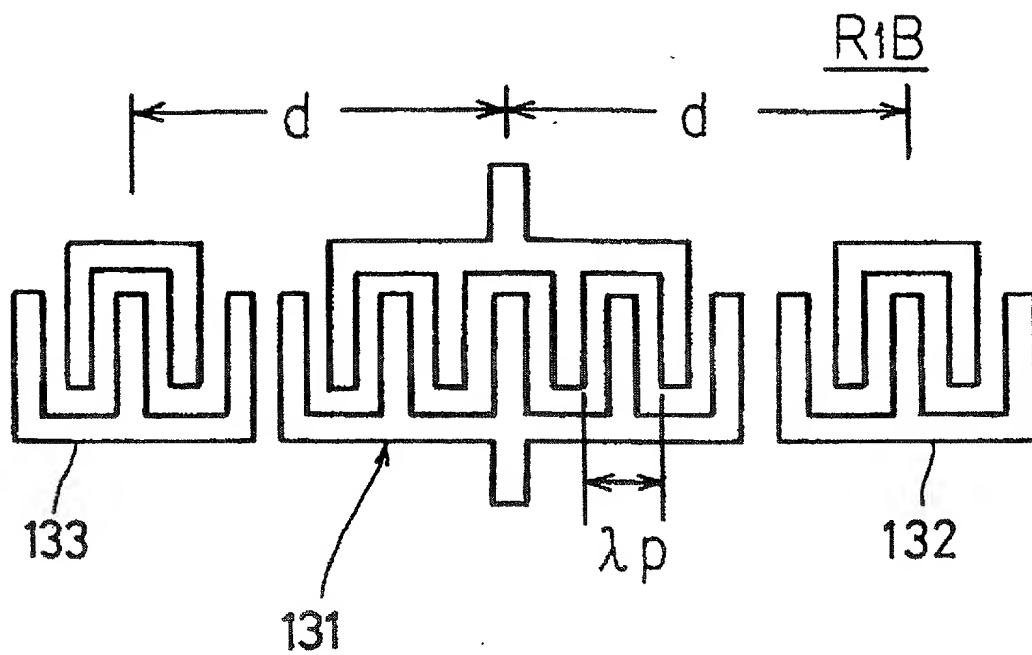


FIG. 29

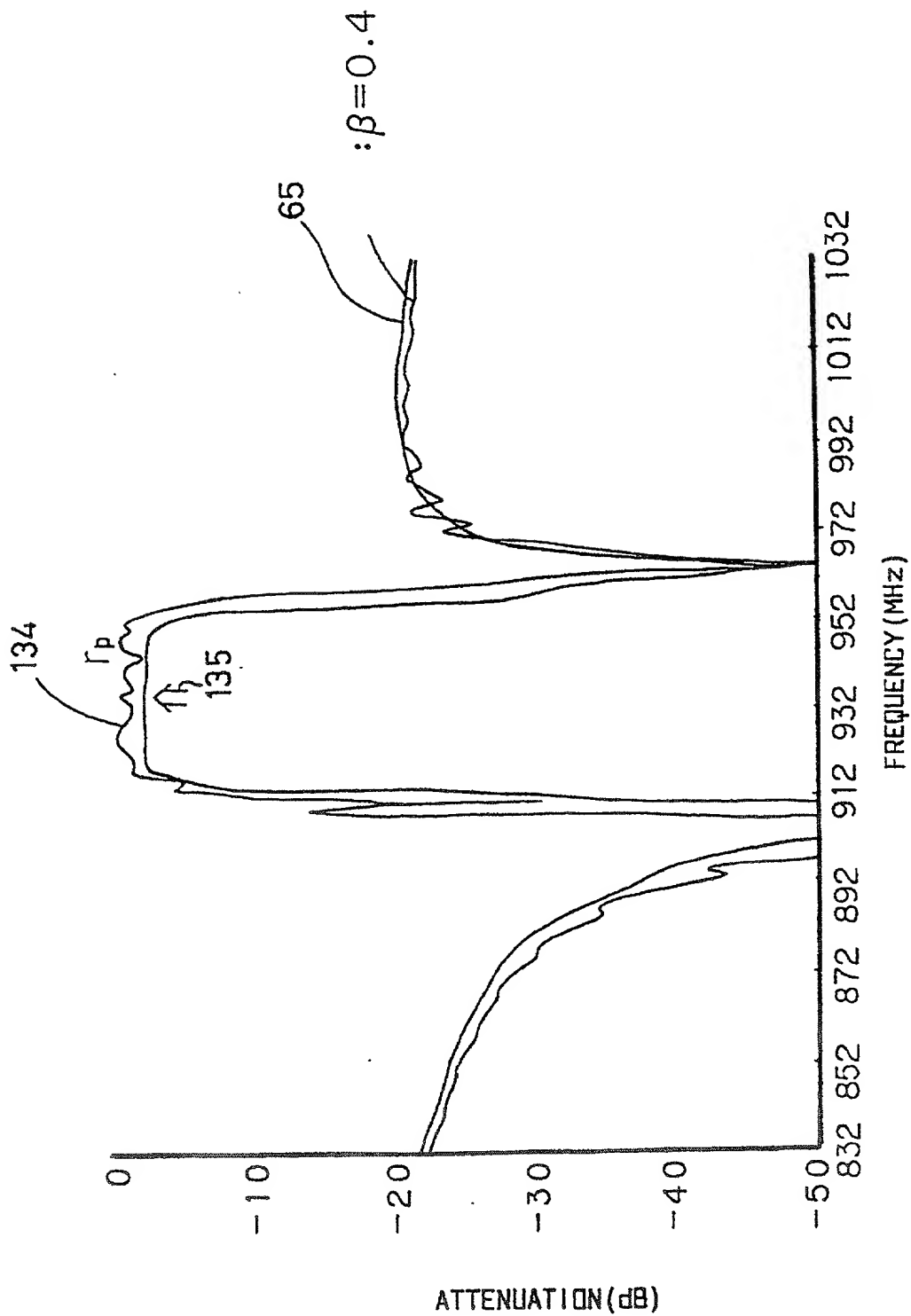


FIG. 30

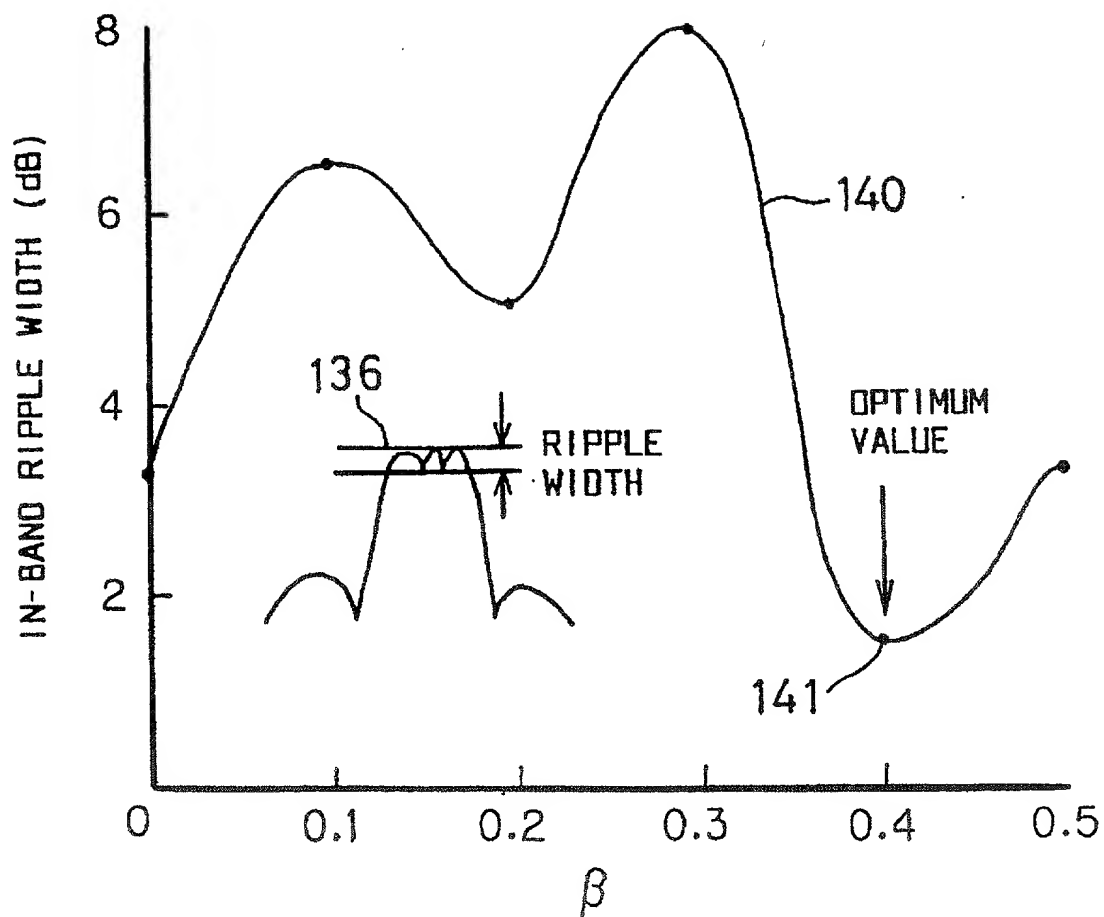


FIG. 31

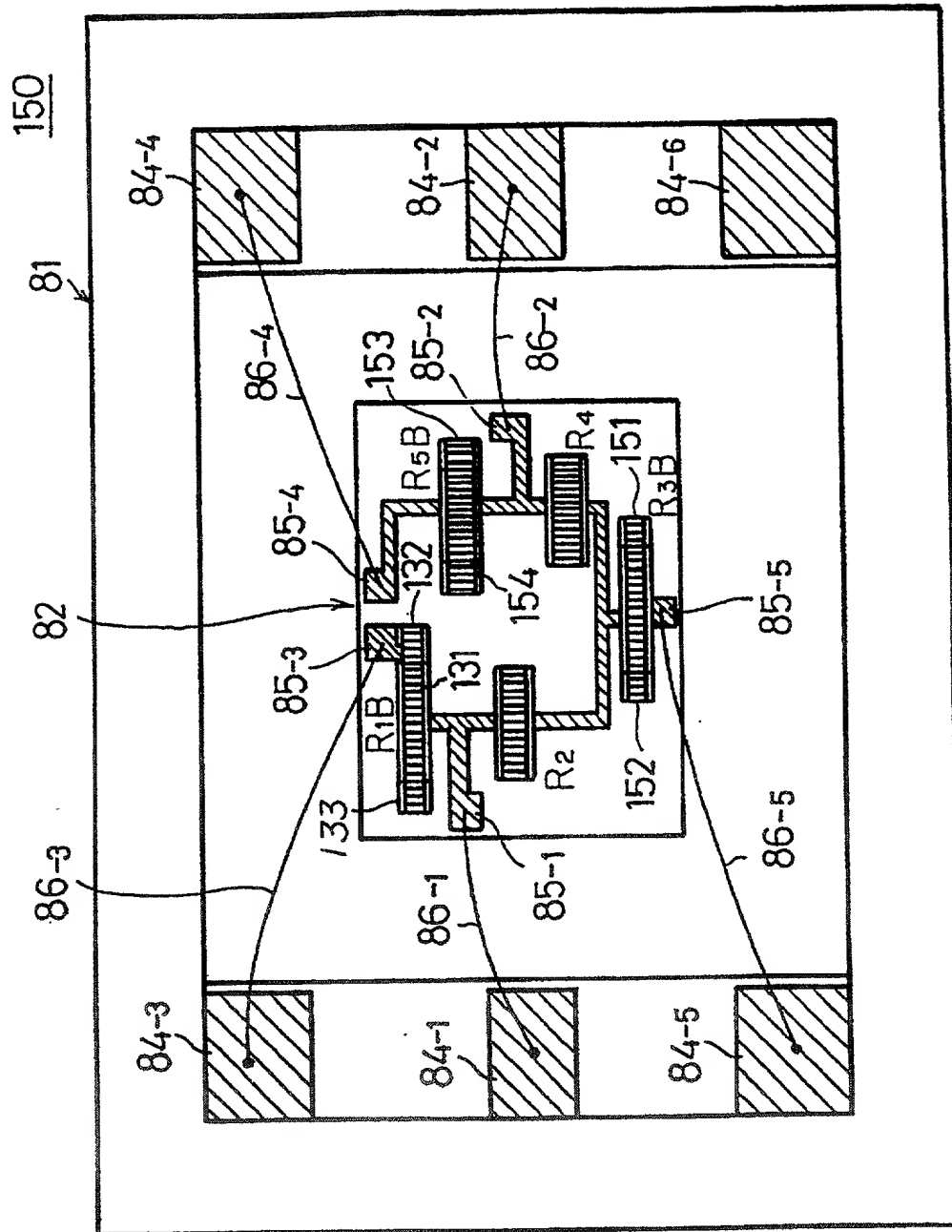


FIG. 32

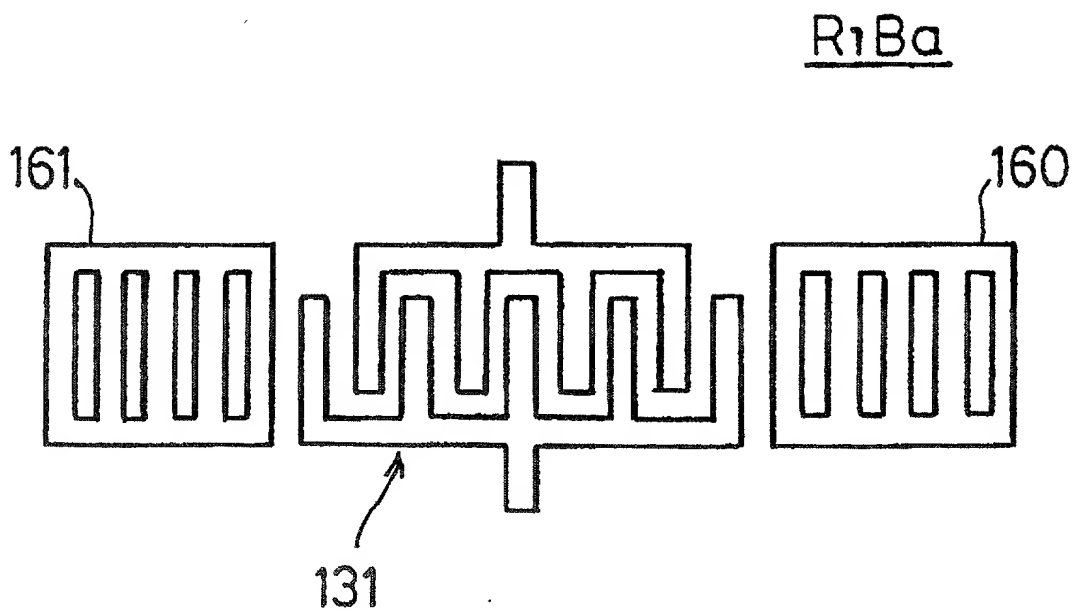


FIG. 33

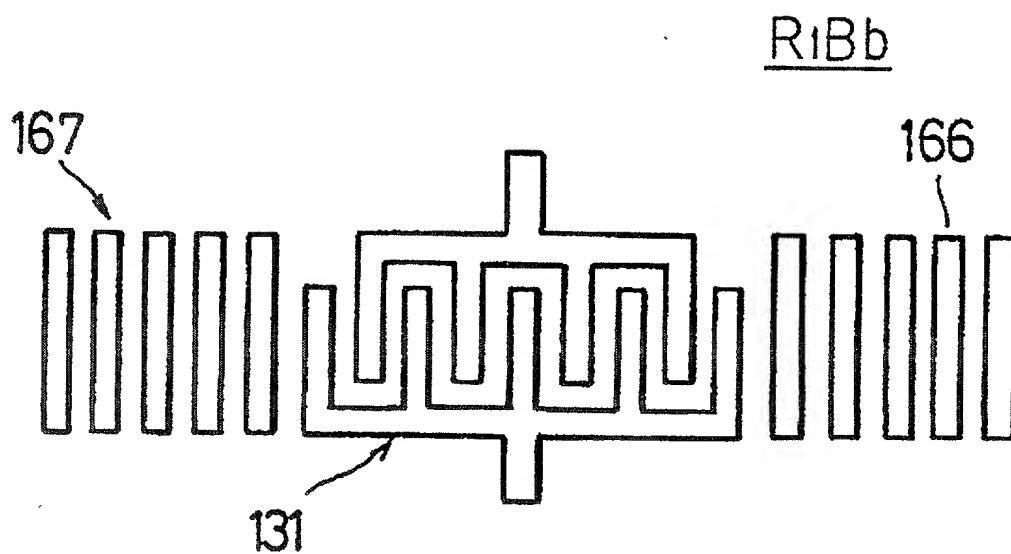


FIG. 34

170

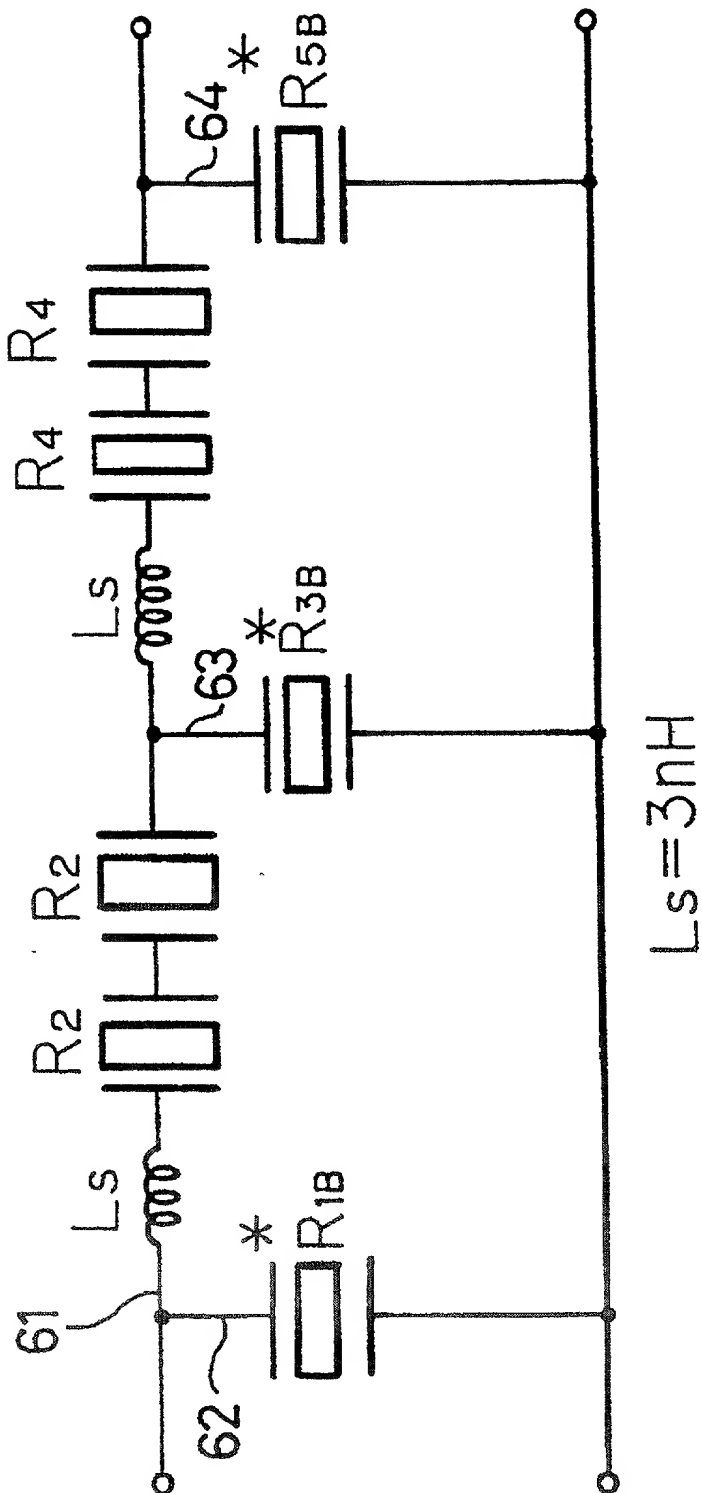




FIG. 35

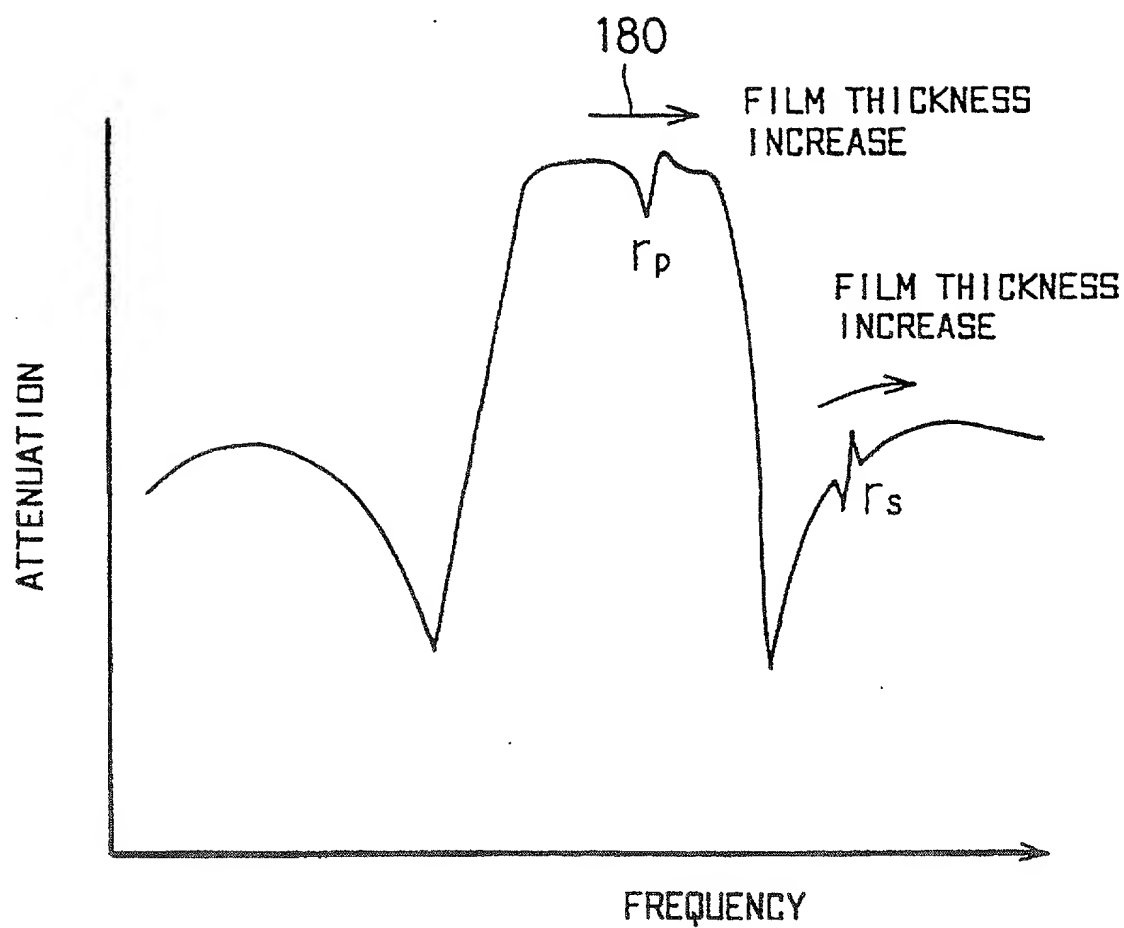


FIG. 36

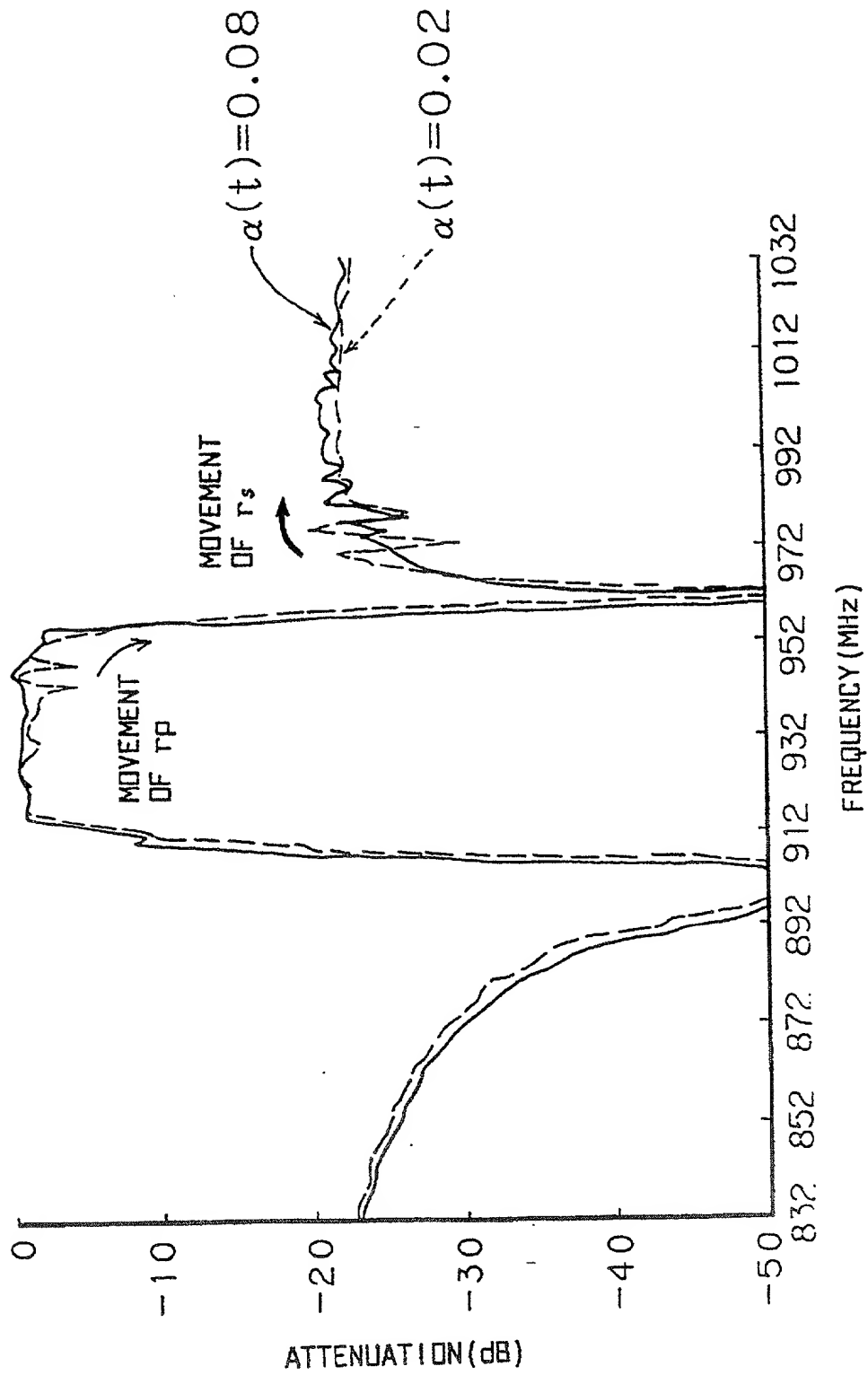


FIG.37A

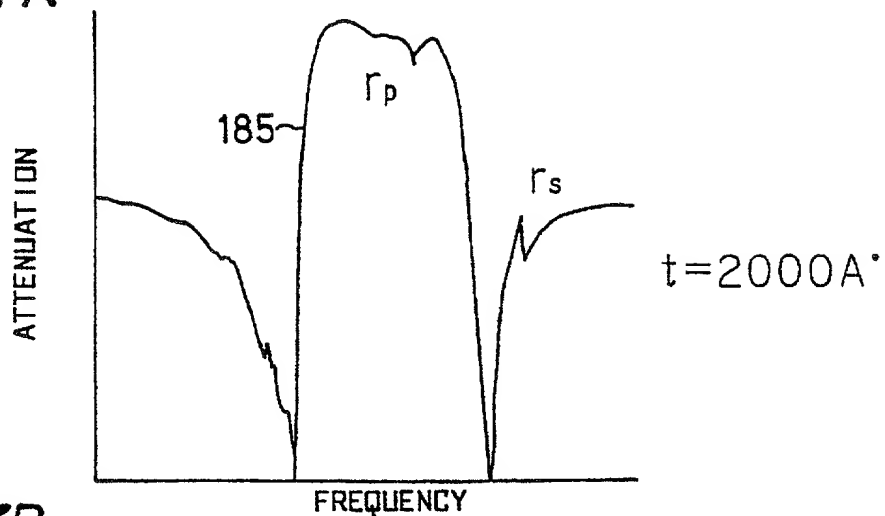


FIG.37B

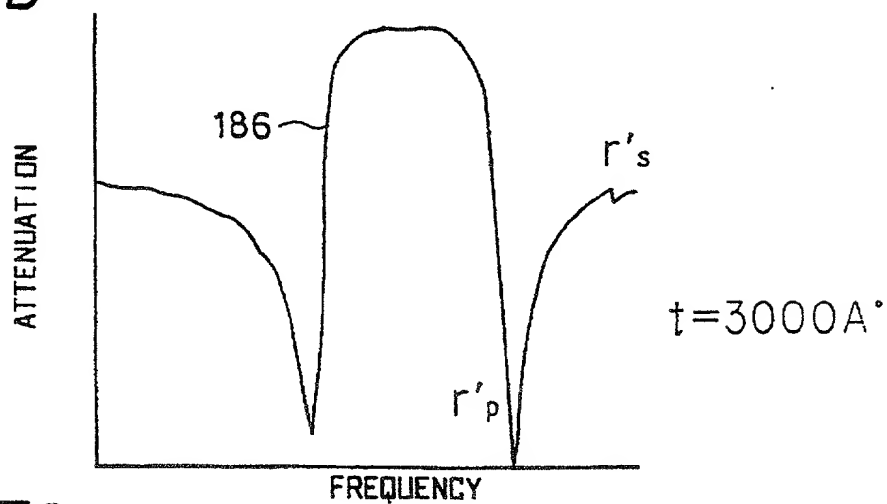


FIG.37C

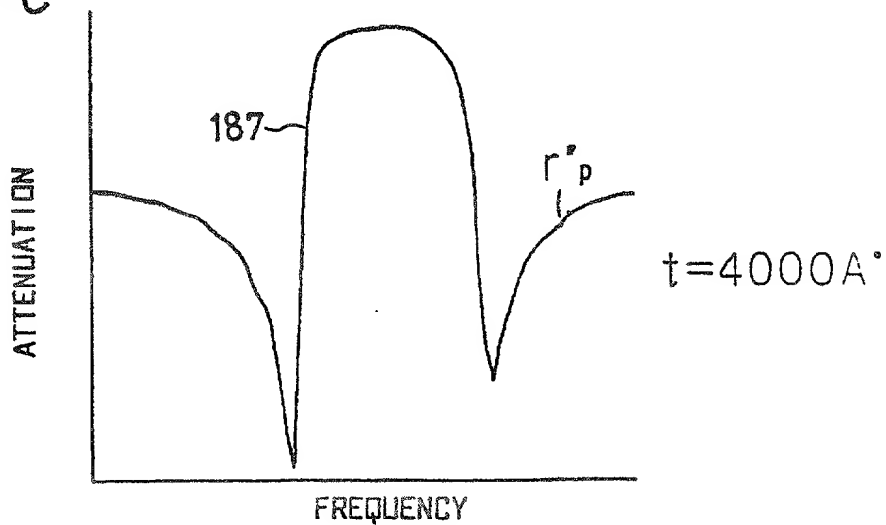


FIG. 37A

FIG. 38A

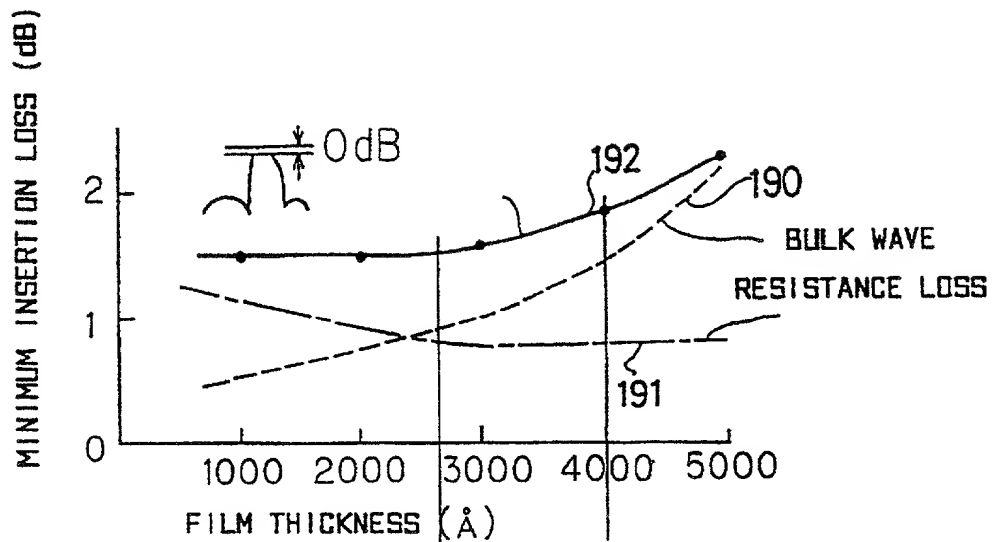


FIG. 38B

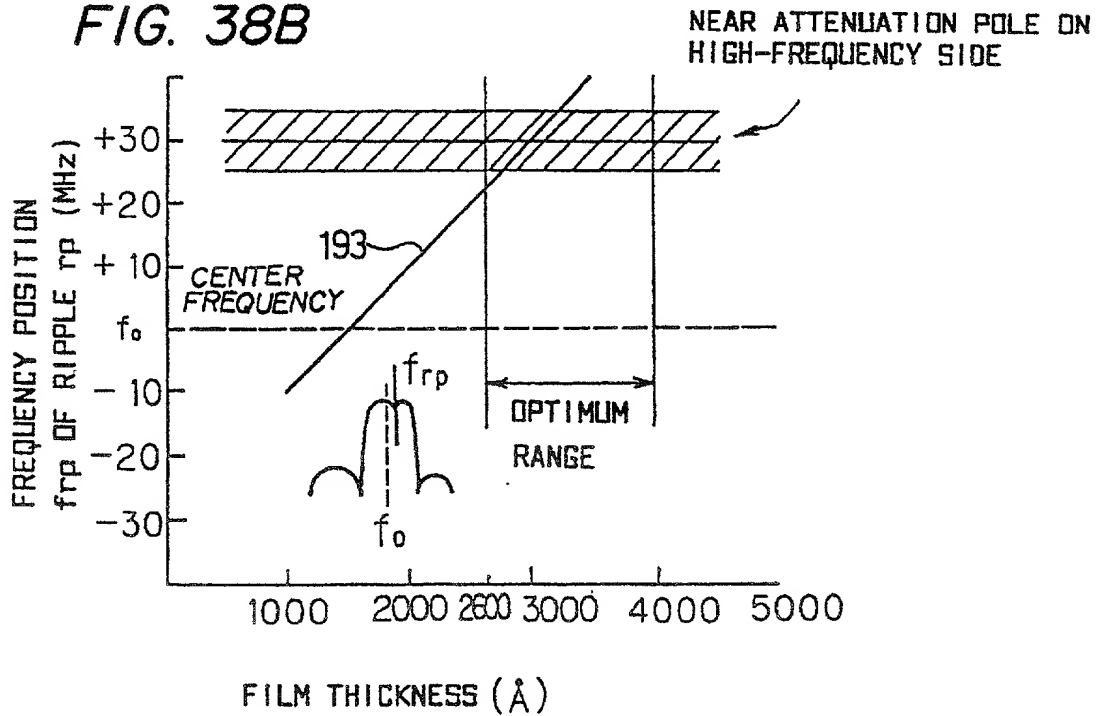


FIG. 39

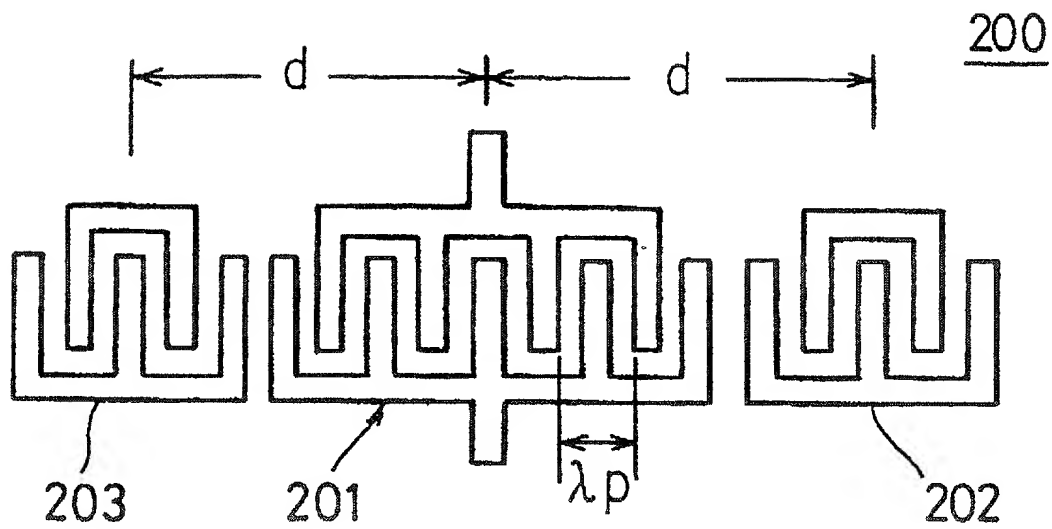
[illegible]

FIG. 40

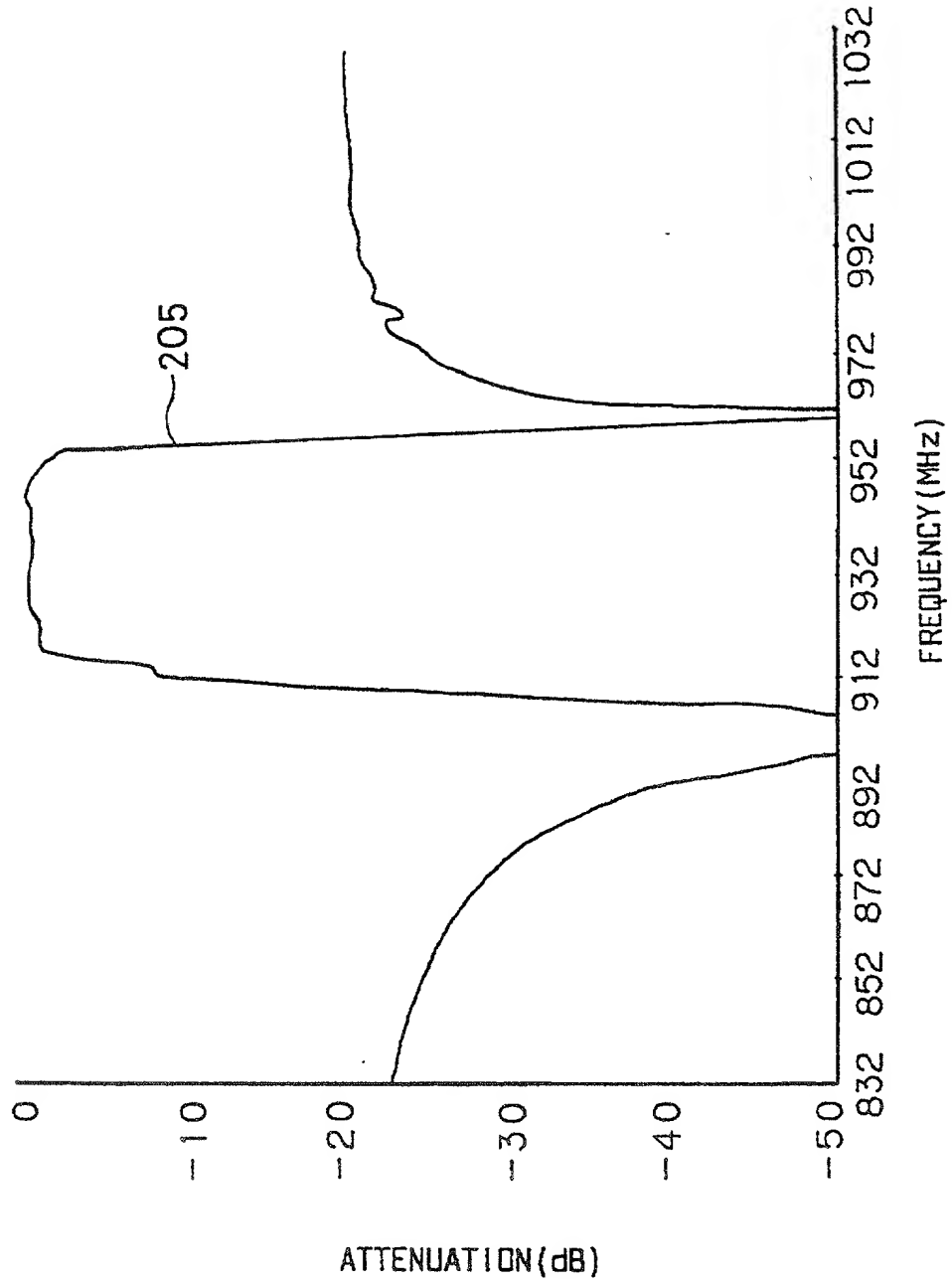


FIG. 41

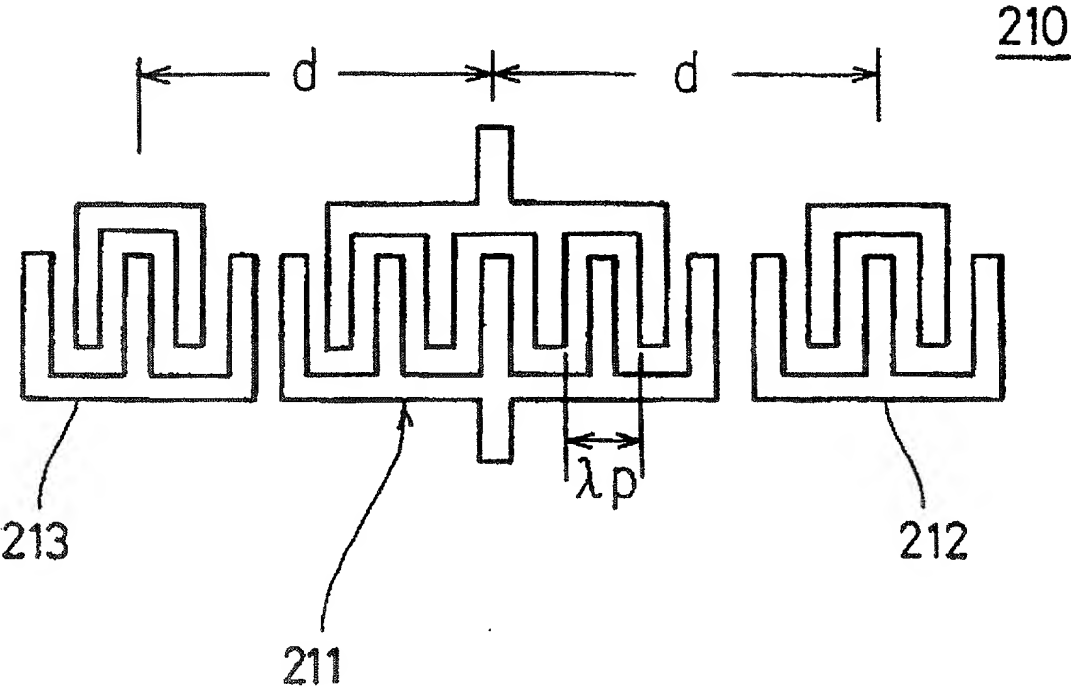


FIG. 42

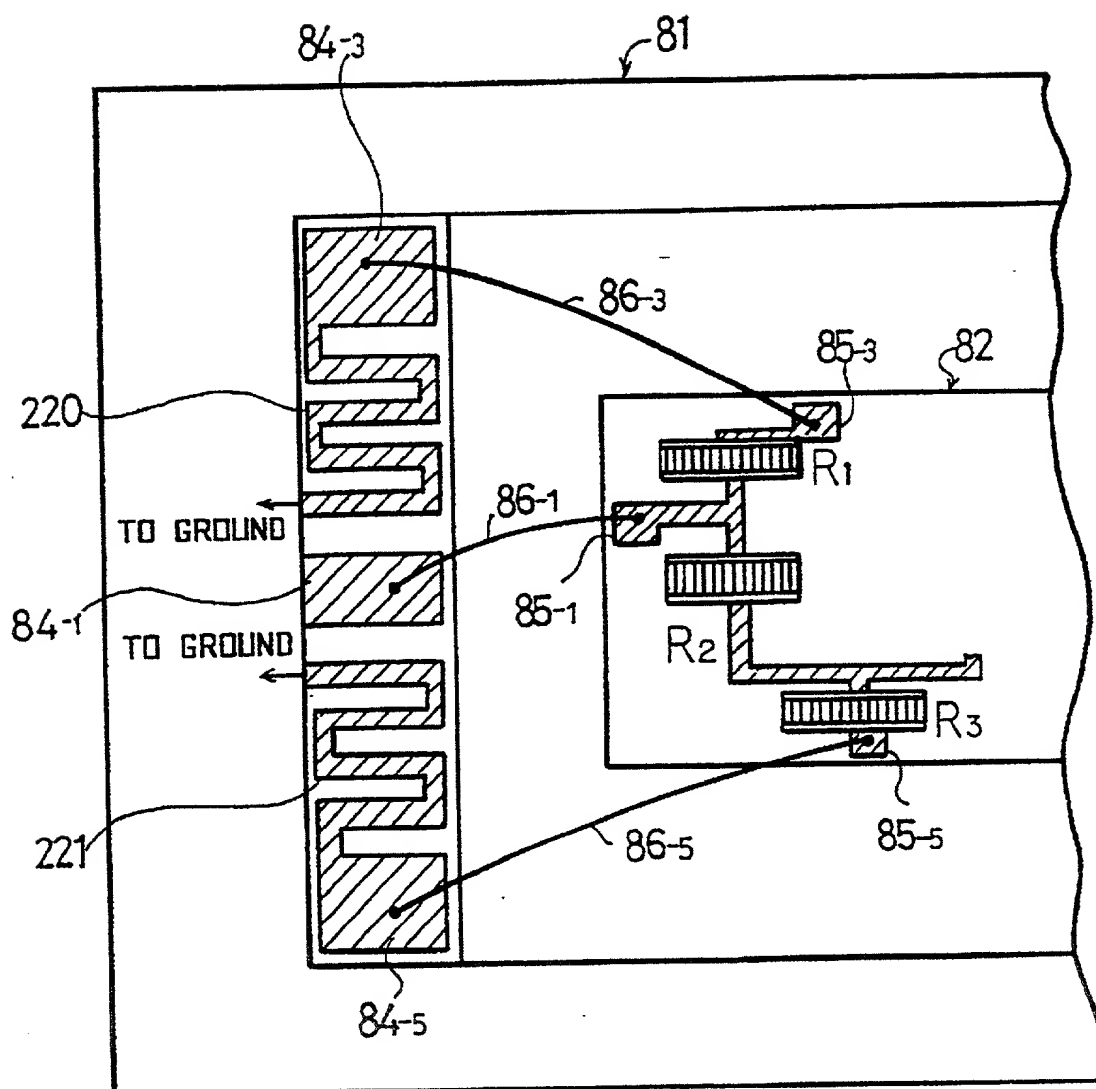




FIG. 43

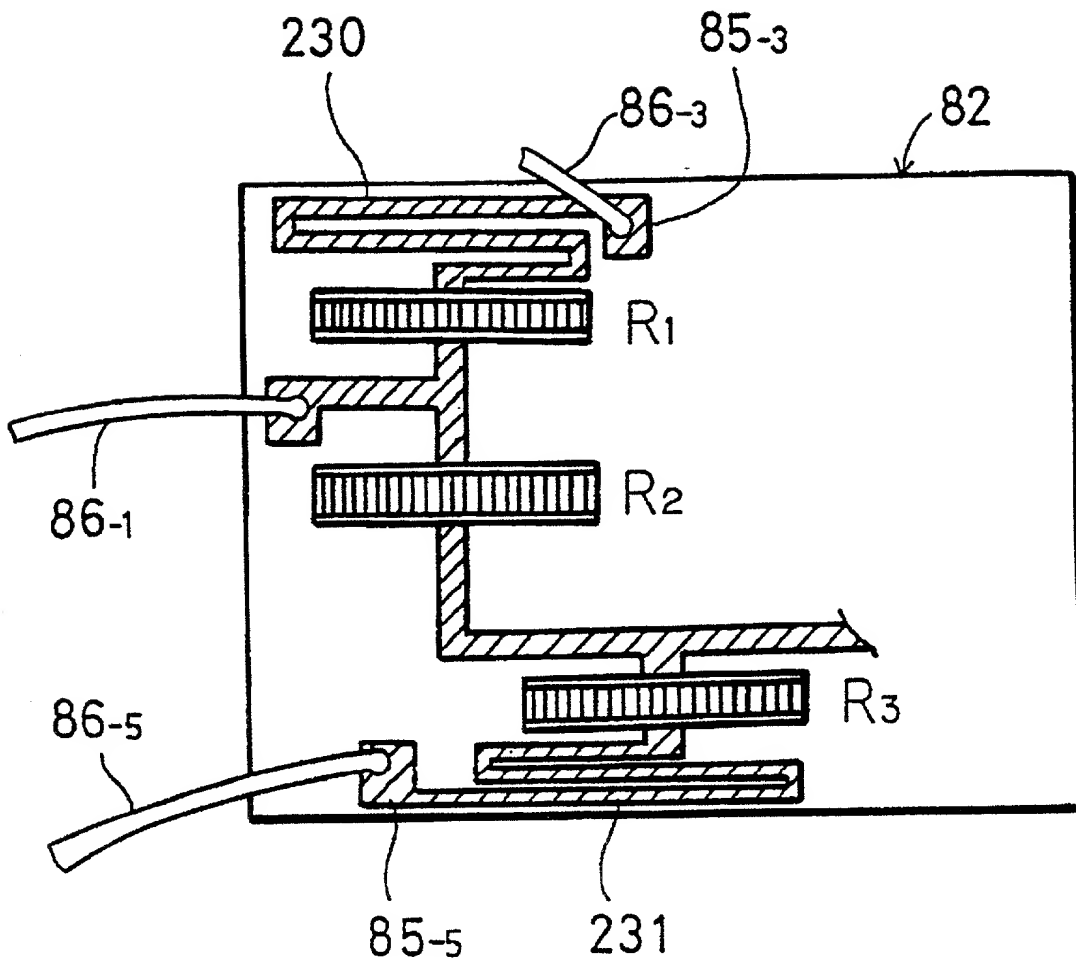


FIG. 43

FIG. 44

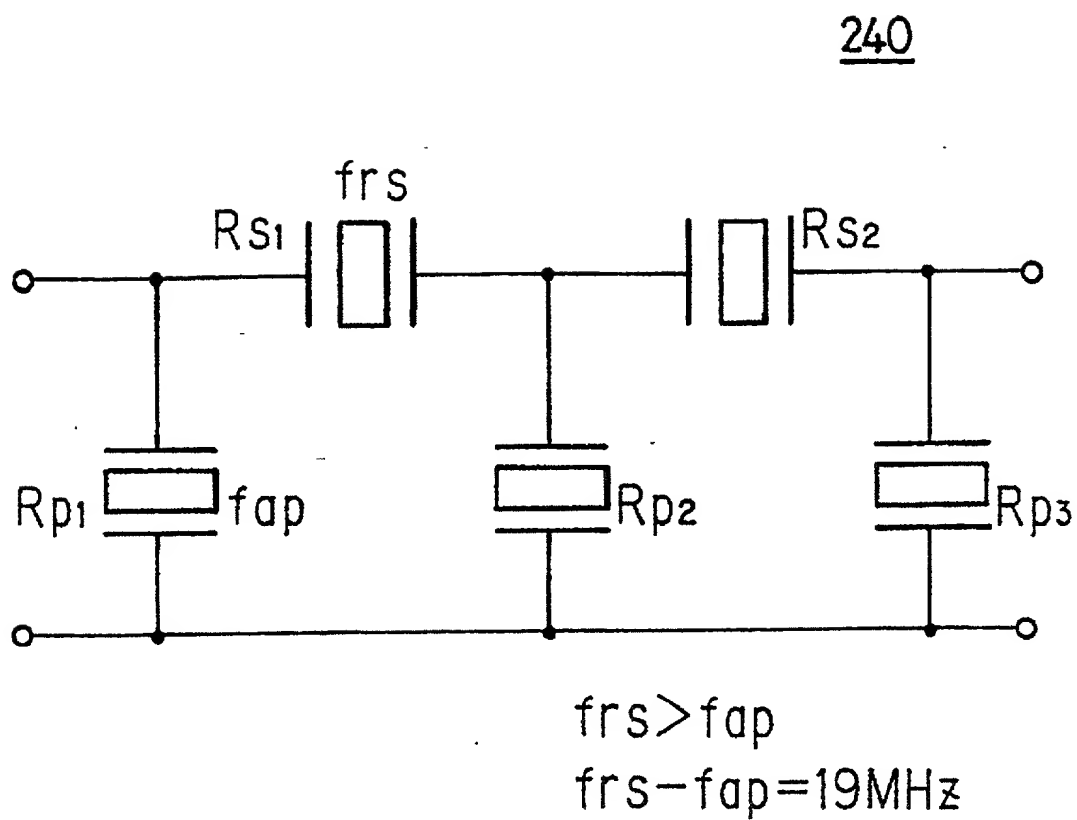


FIG. 45

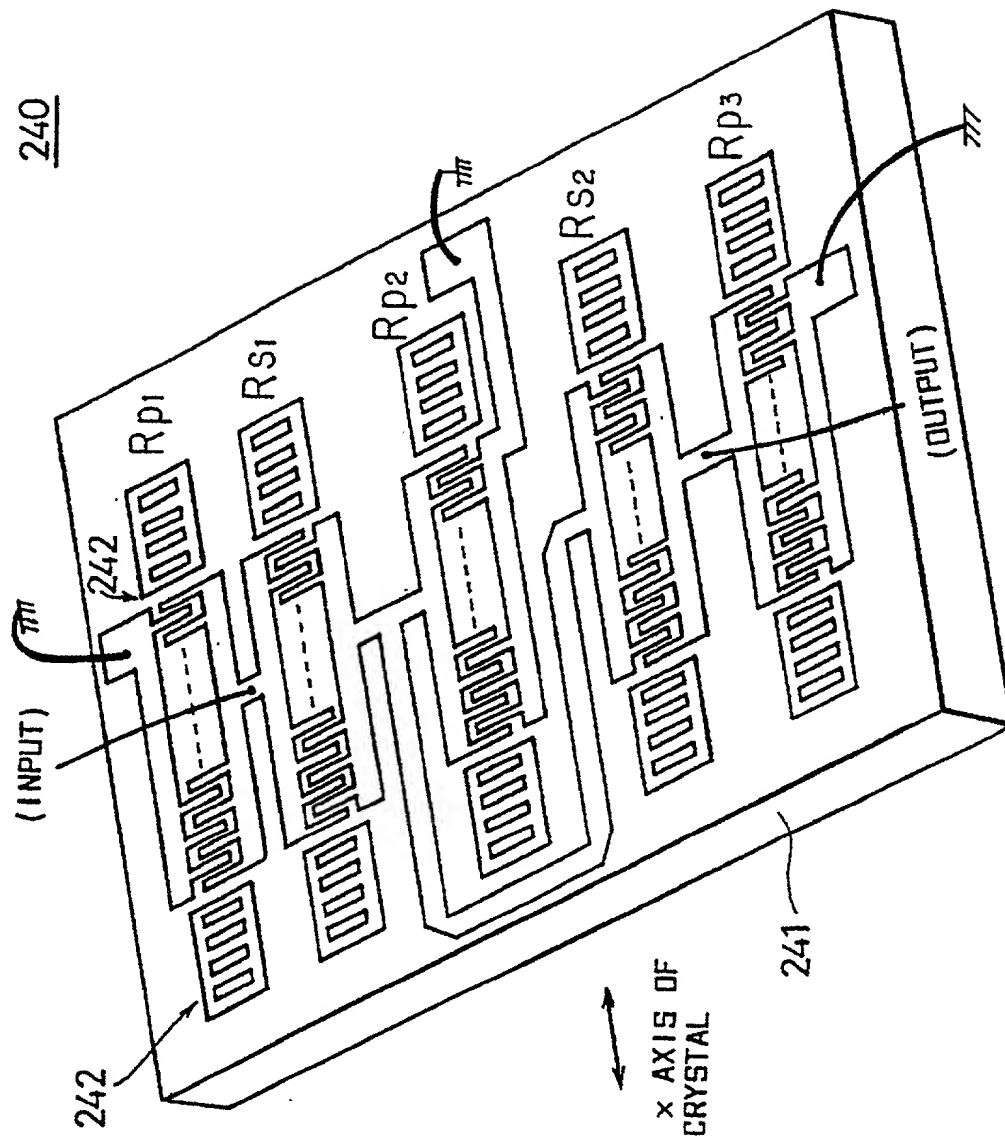


FIG. 46A

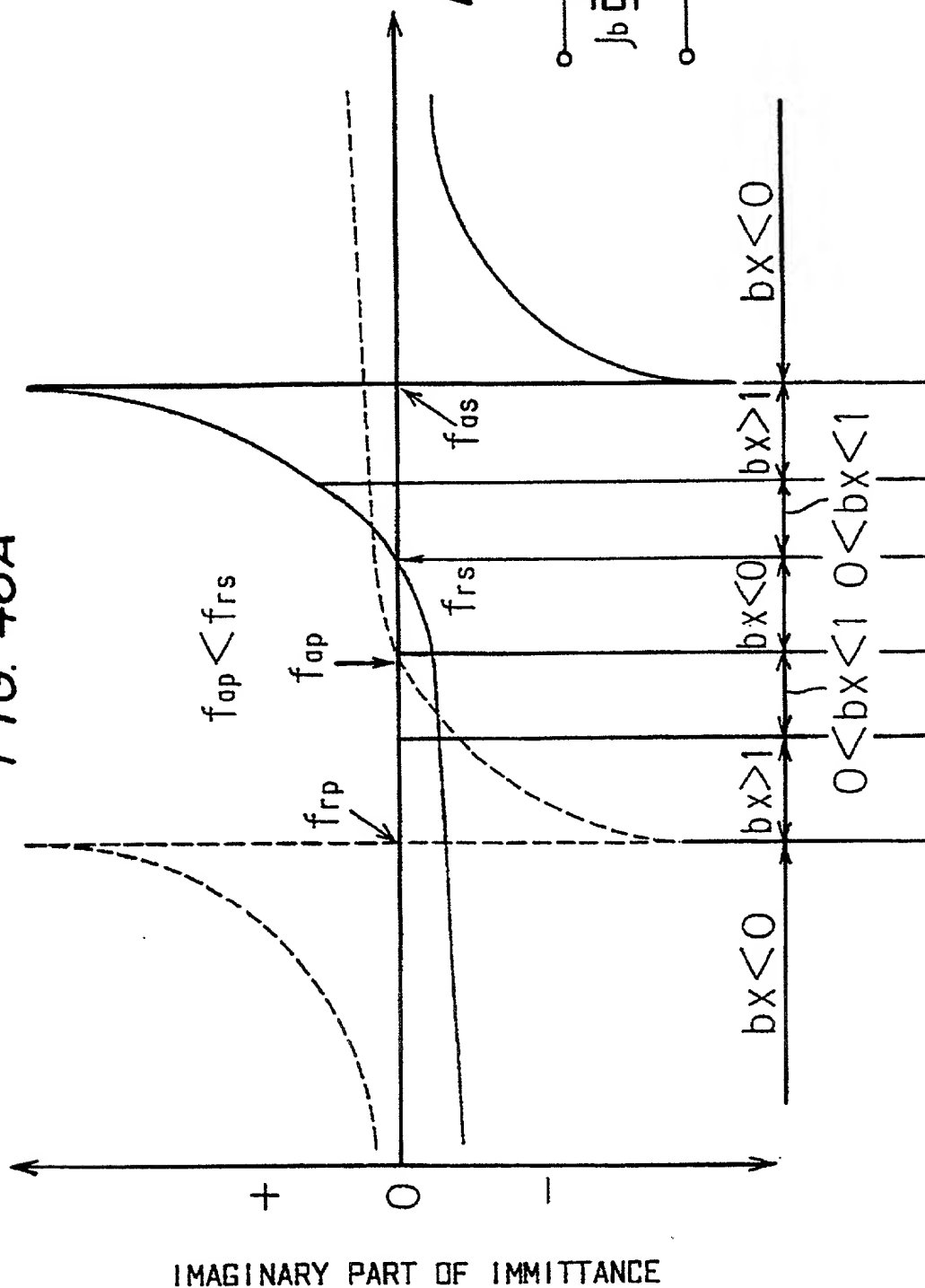


FIG. 46B

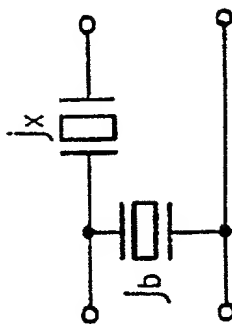


FIG. 47A

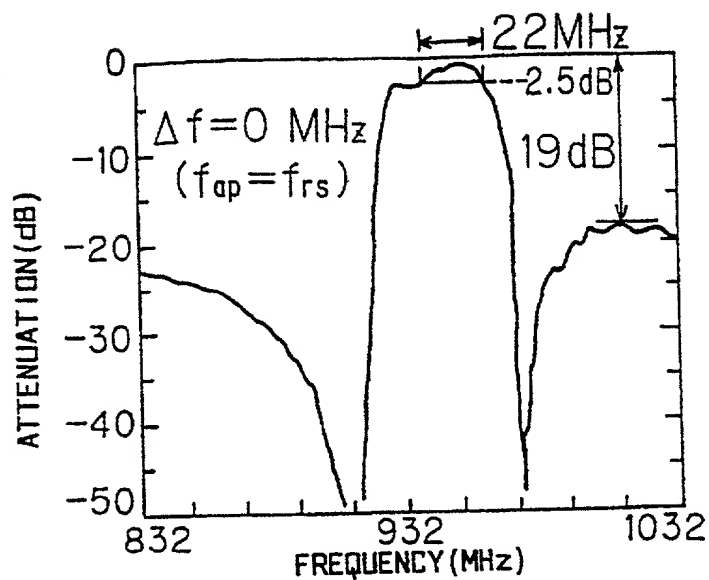


FIG. 47B

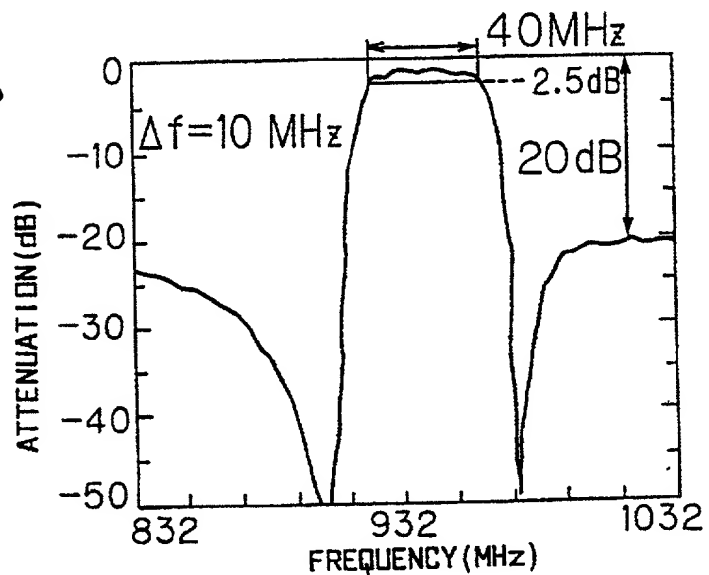
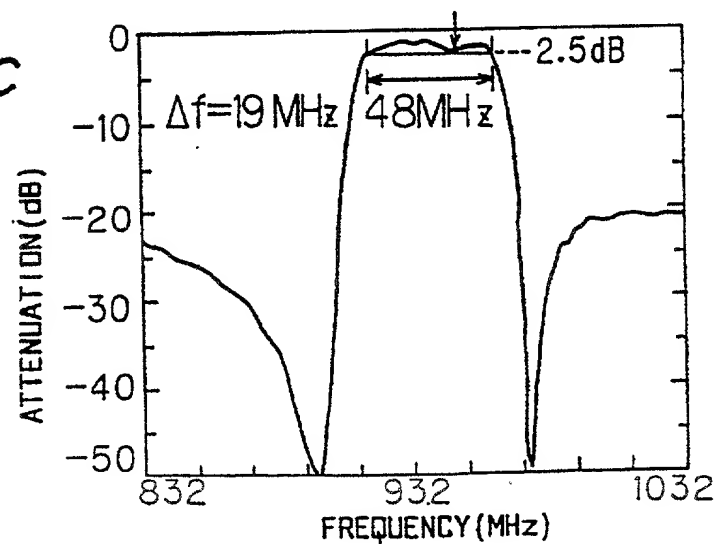
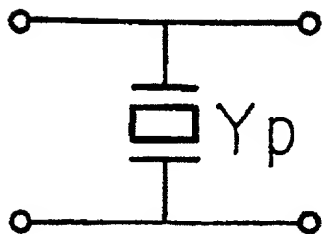


FIG. 47C



*FIG. 48A*

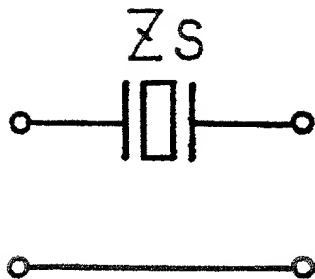
ATTENUATION



$$Y_p = \frac{1}{25} \left( \frac{1 - S_{21}}{S_{21}} \right) (S)$$

*FIG. 48B*

IMPEDANCE



$$Z_s = 100 \left( \frac{1 - S_{21}}{S_{21}} \right) (\Omega)$$

FIG. 49

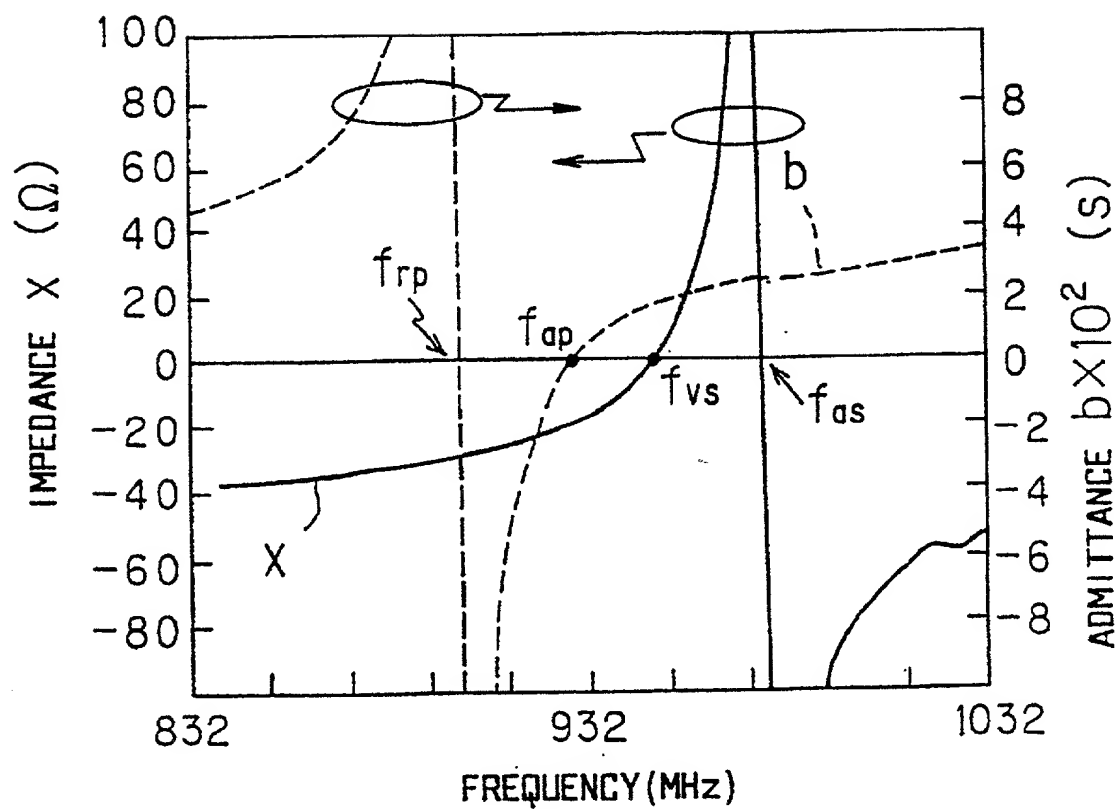


FIG. 50

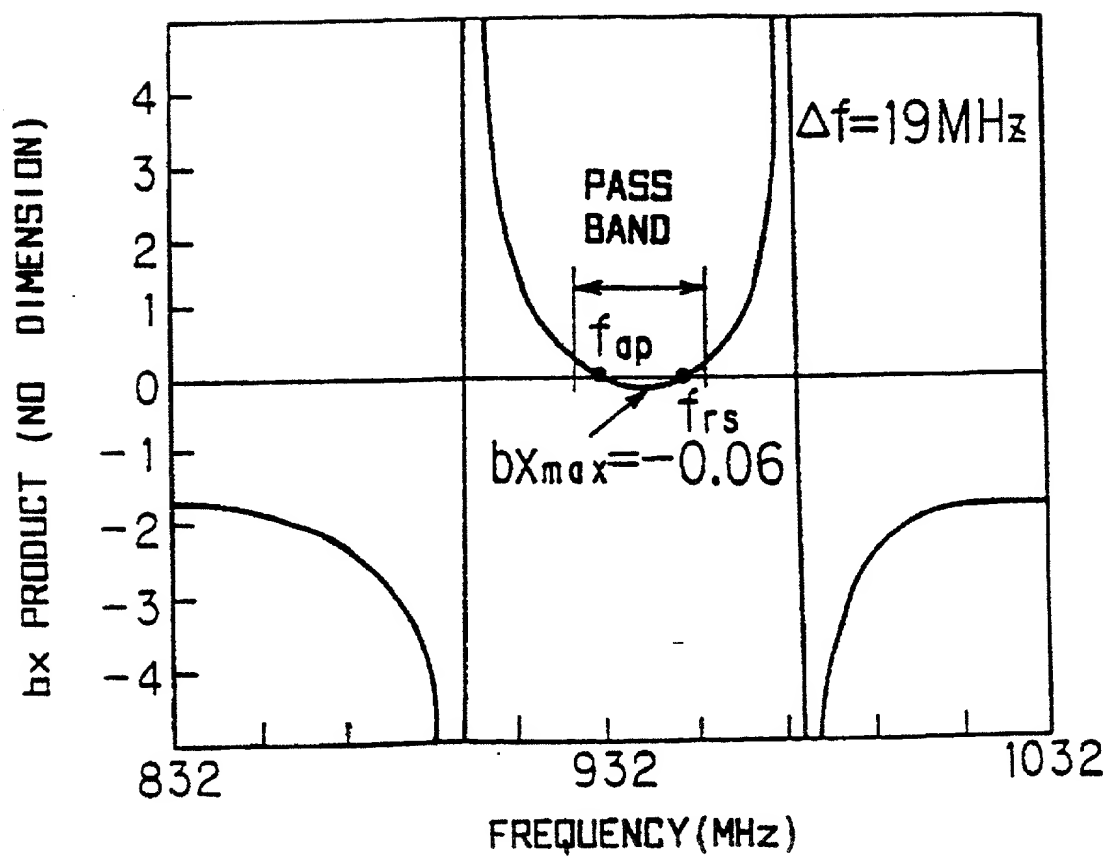




FIG. 51

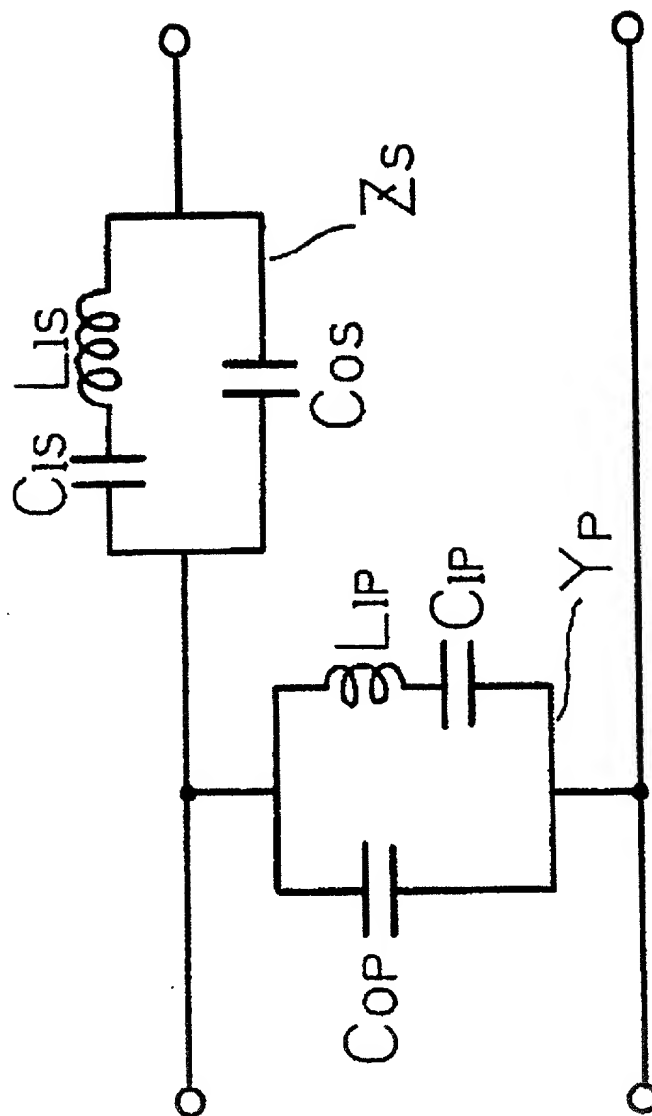


FIG. 51

FIG. 52

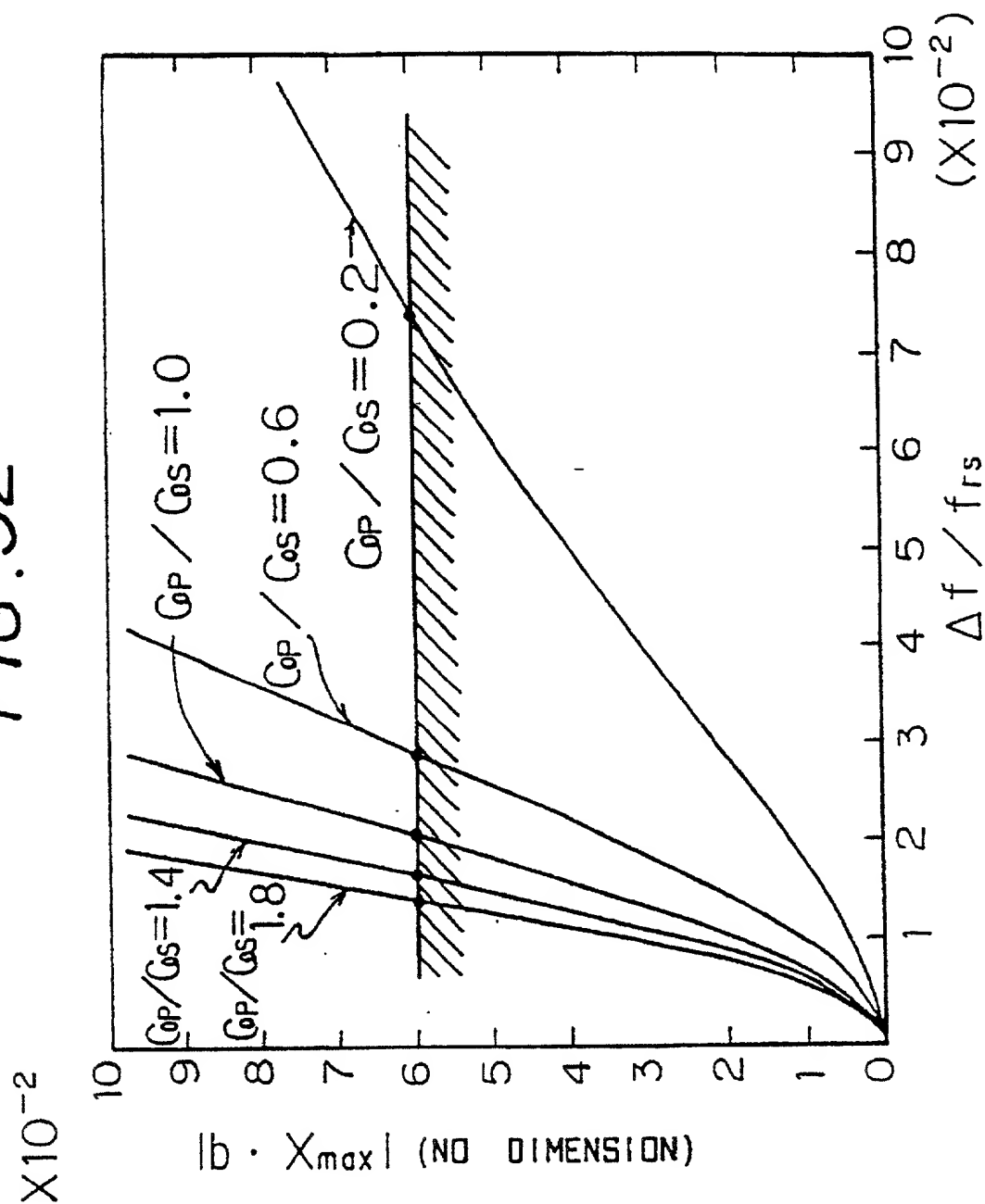


FIG. 53

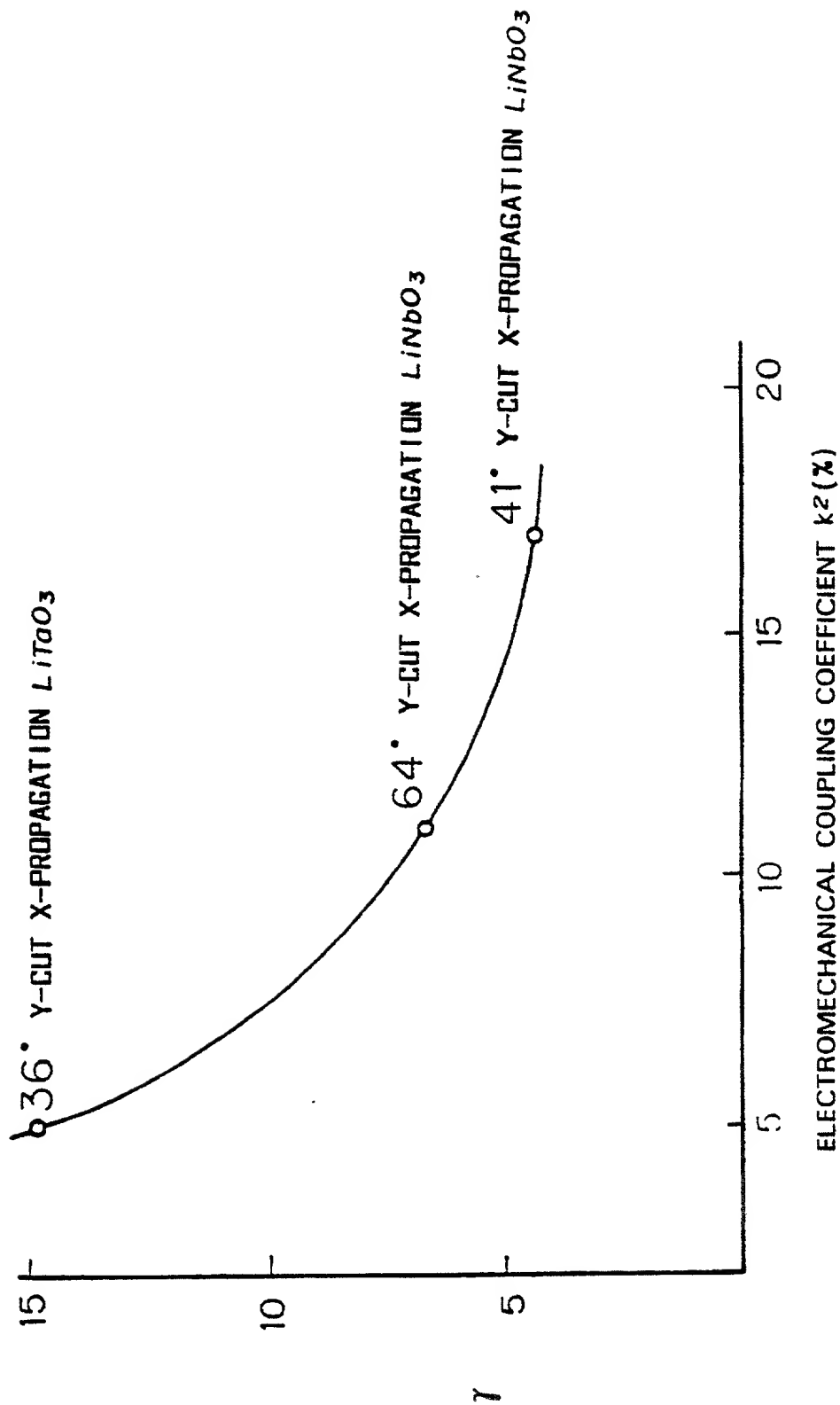
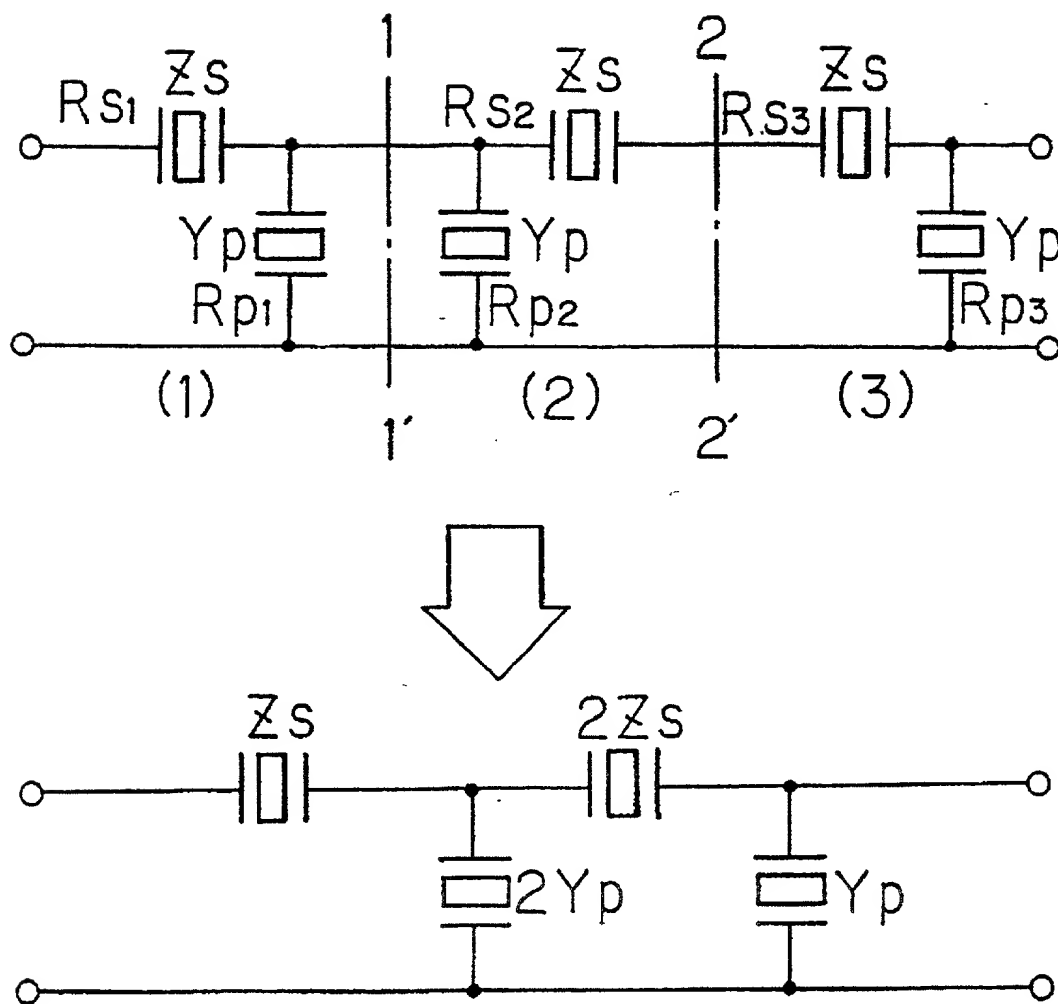


FIG. 54

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FIG. 55

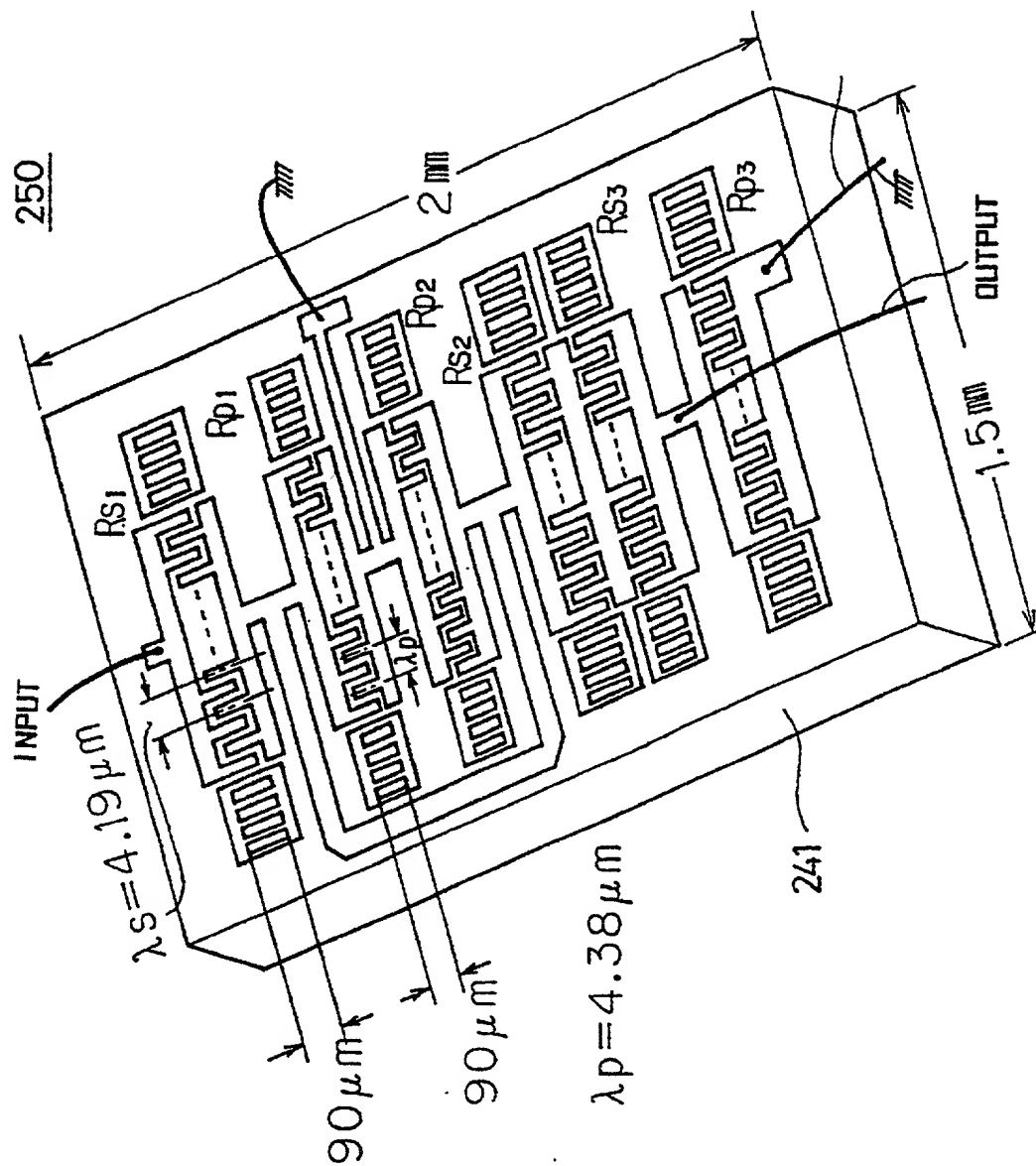


FIG. 56

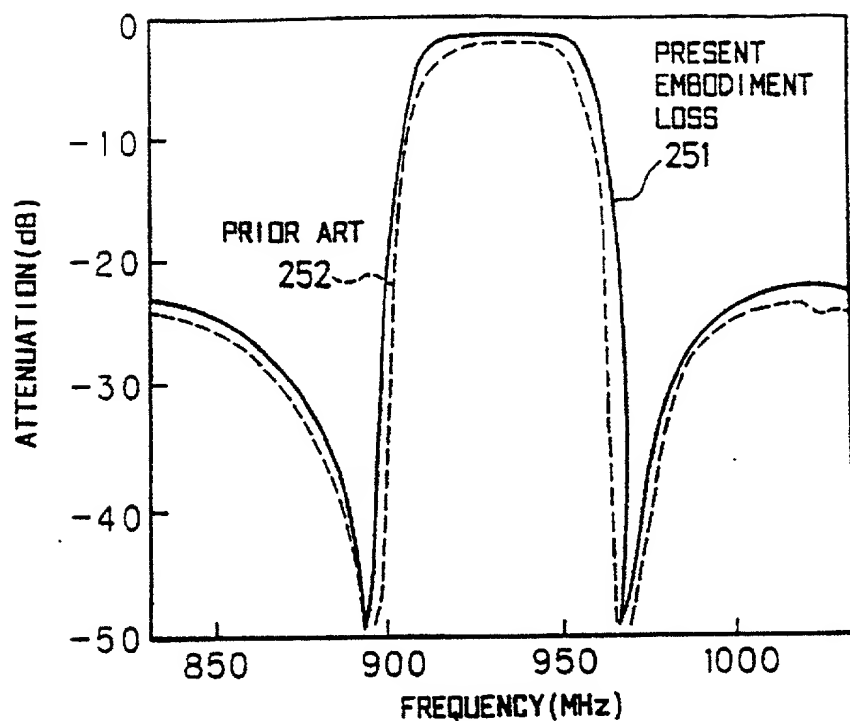


FIG. 57

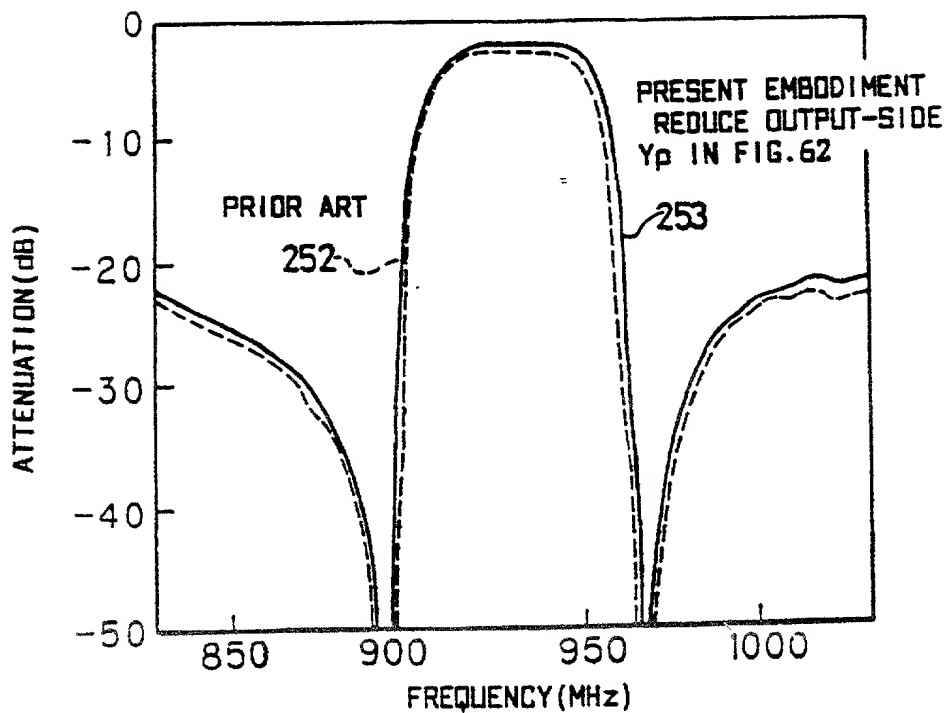


FIG. 58A

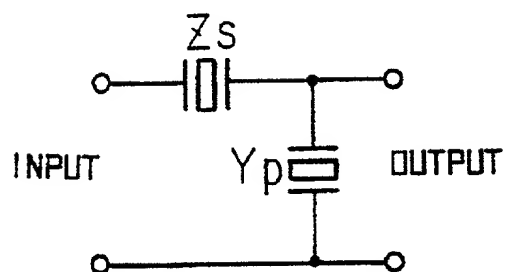


FIG. 58B

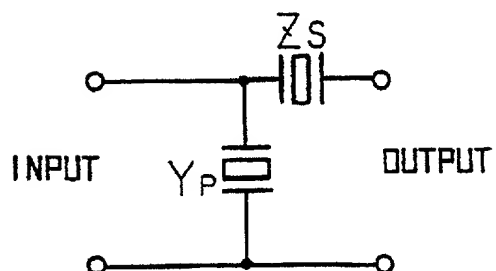


FIG. 60

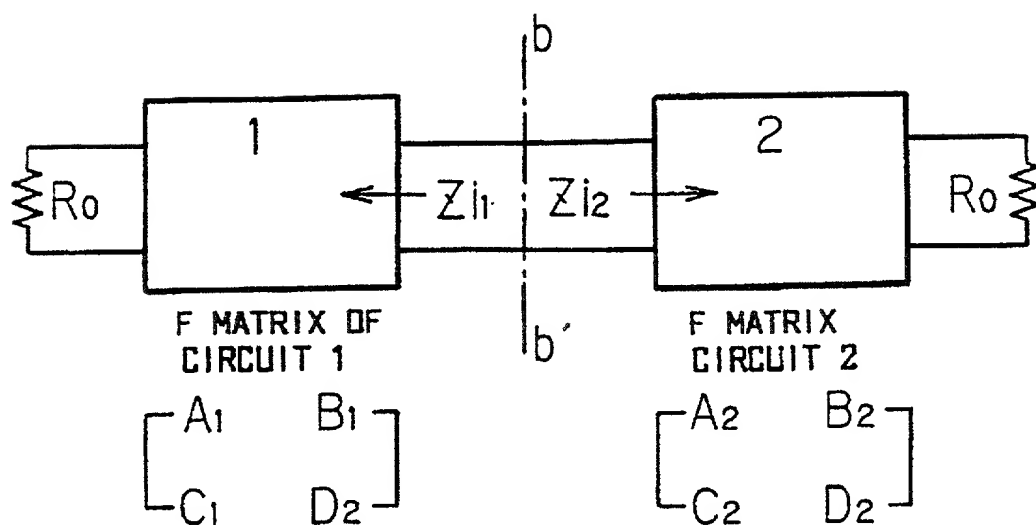


FIG. 59A

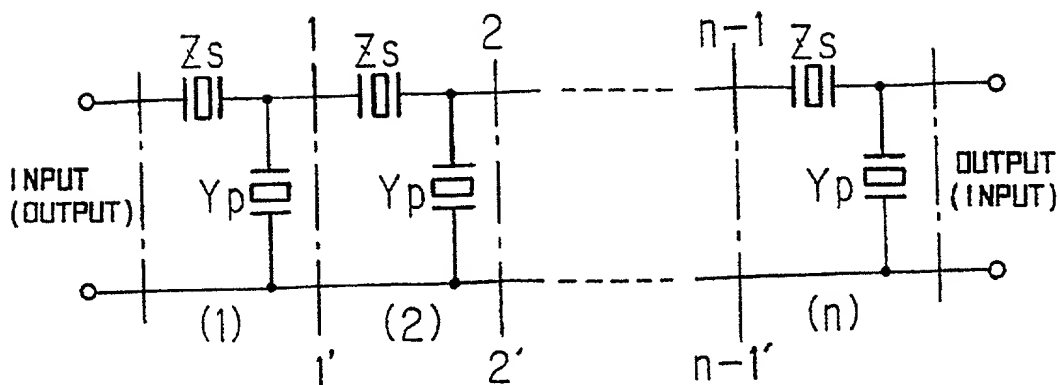


FIG. 59B

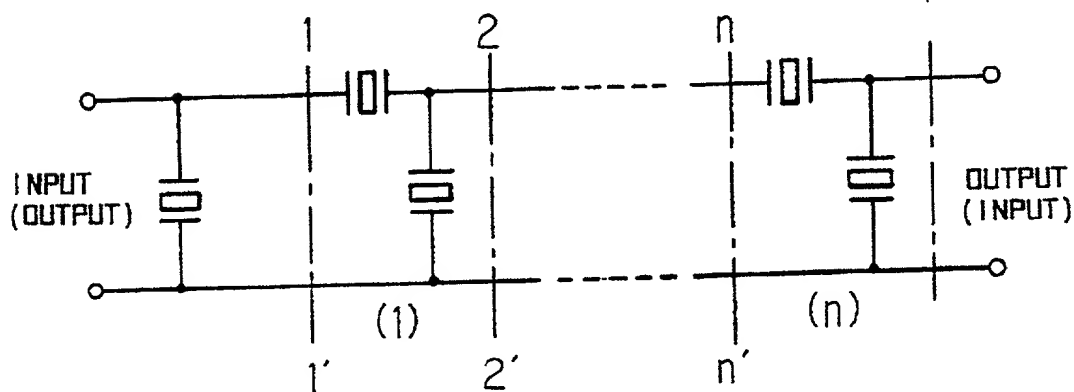


FIG. 59C

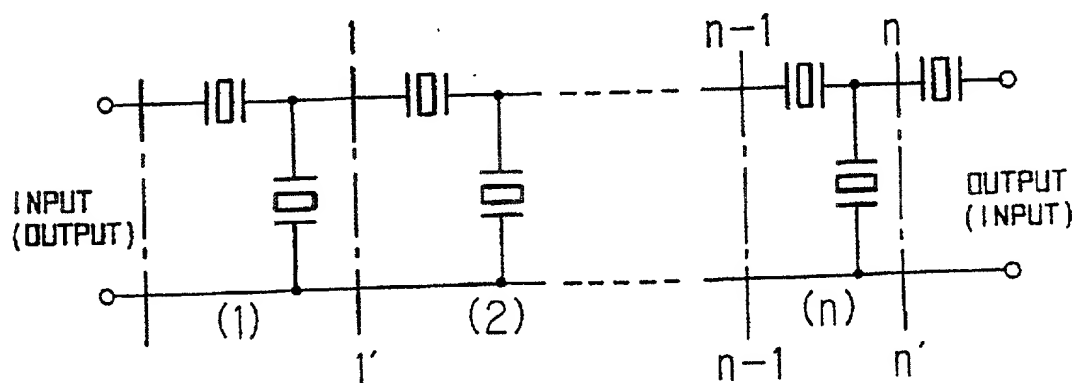




FIG. 6IA

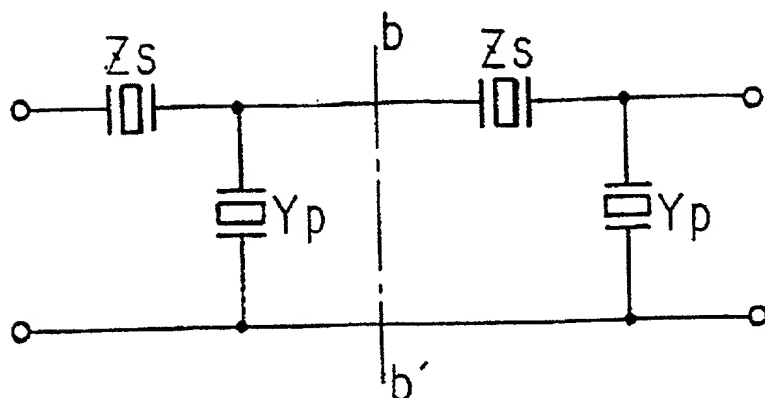


FIG. 6IB

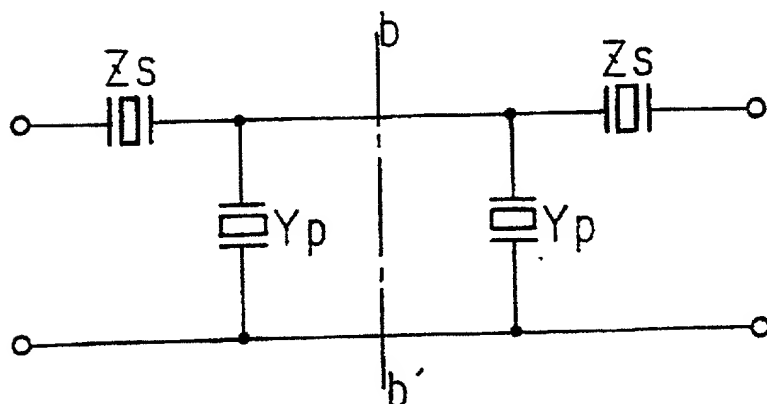


FIG. 6IC

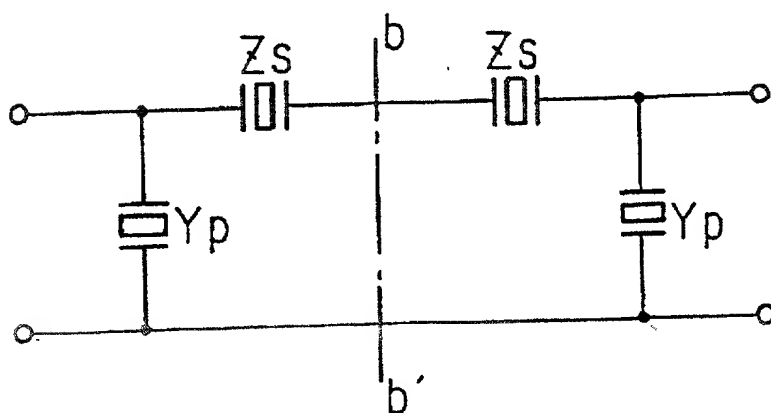


FIG. 62

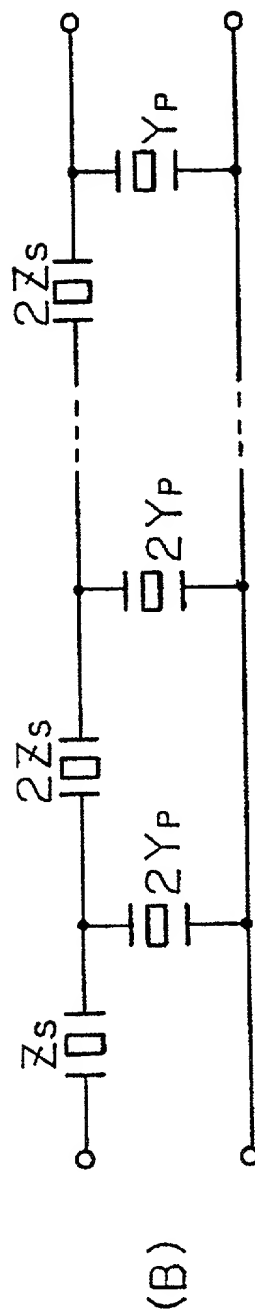
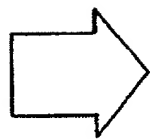
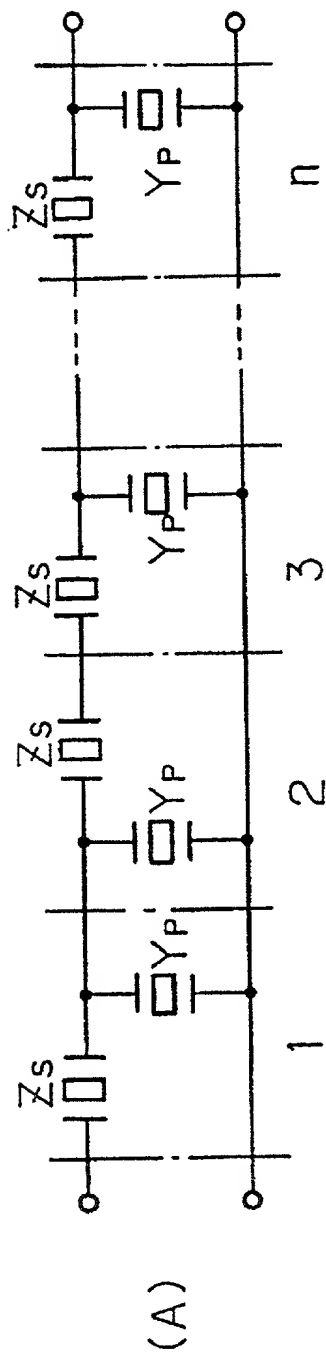


FIG. 630" 24632660

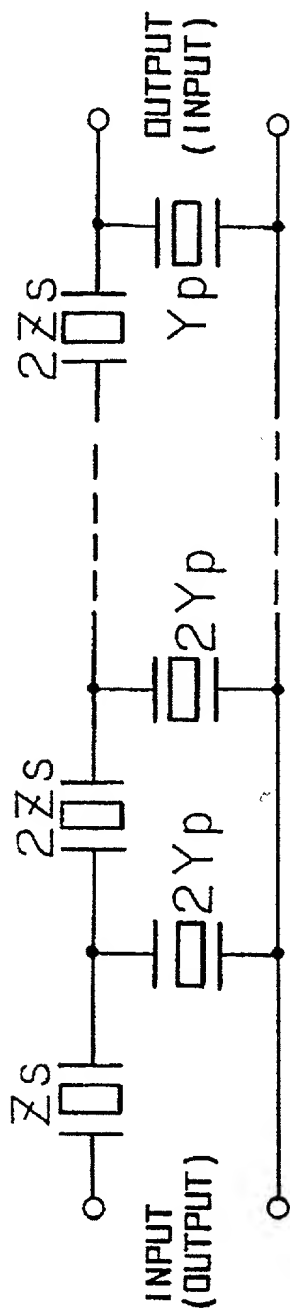


FIG. 63A

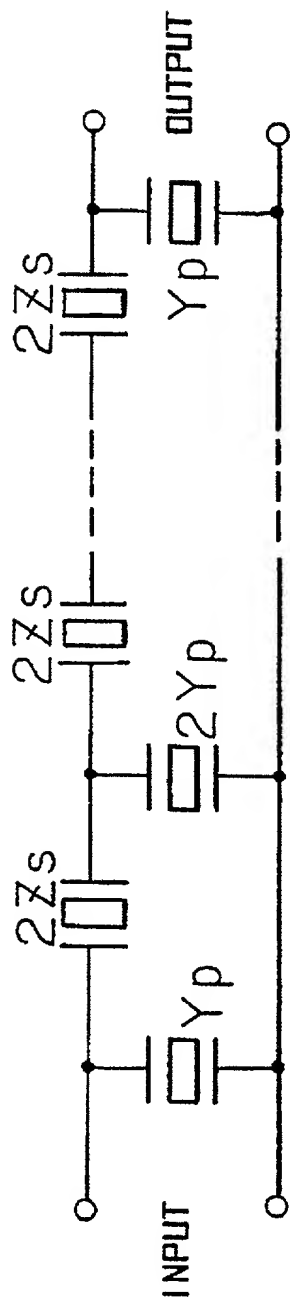


FIG. 63B

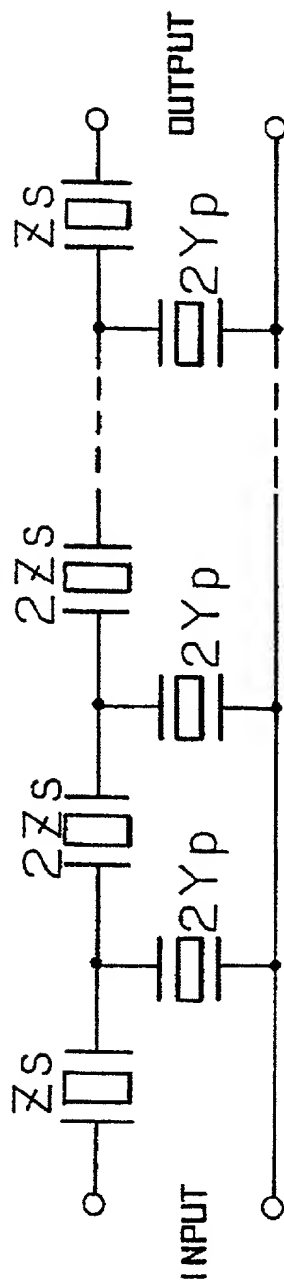


FIG. 63C

FIG. 64 PRIOR ART

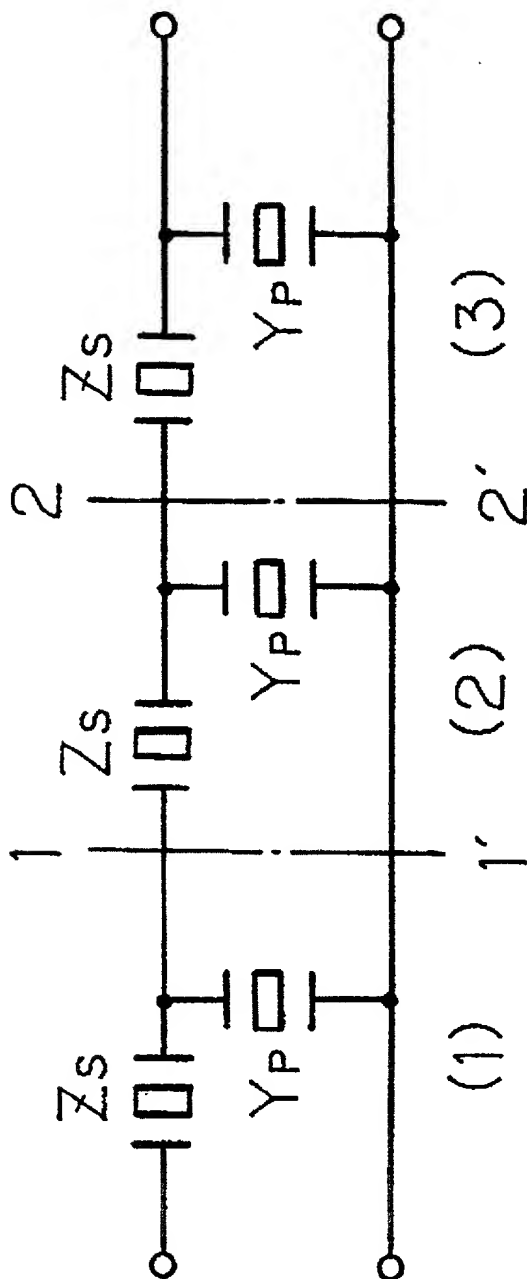
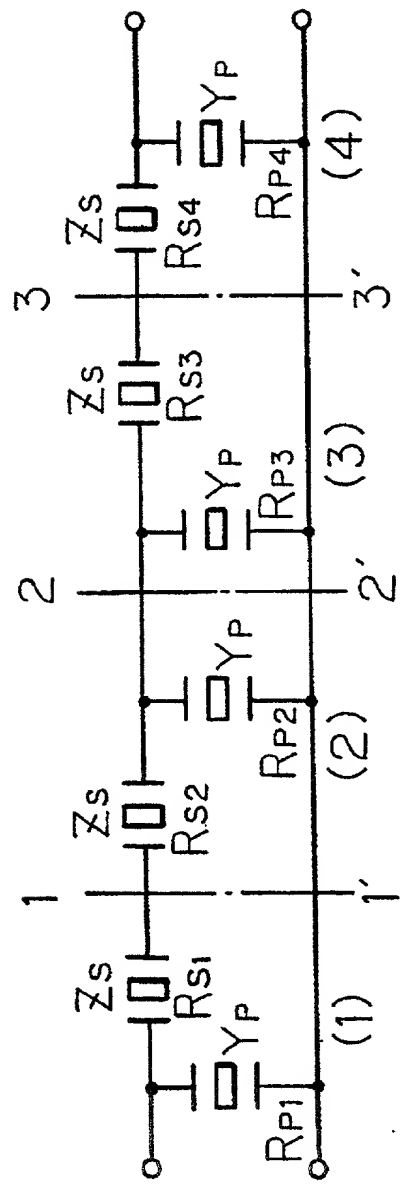


FIG. 65



260

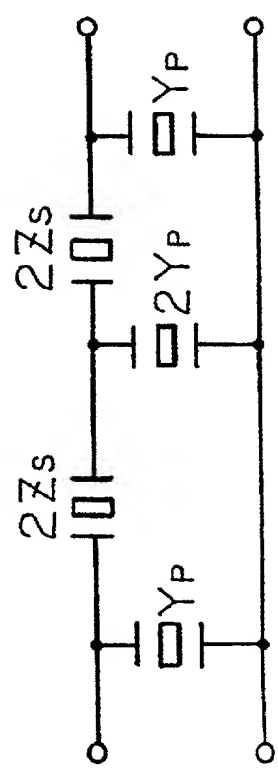


FIG. 66

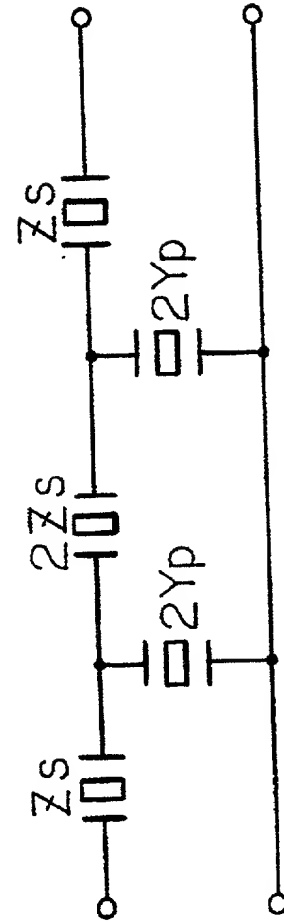
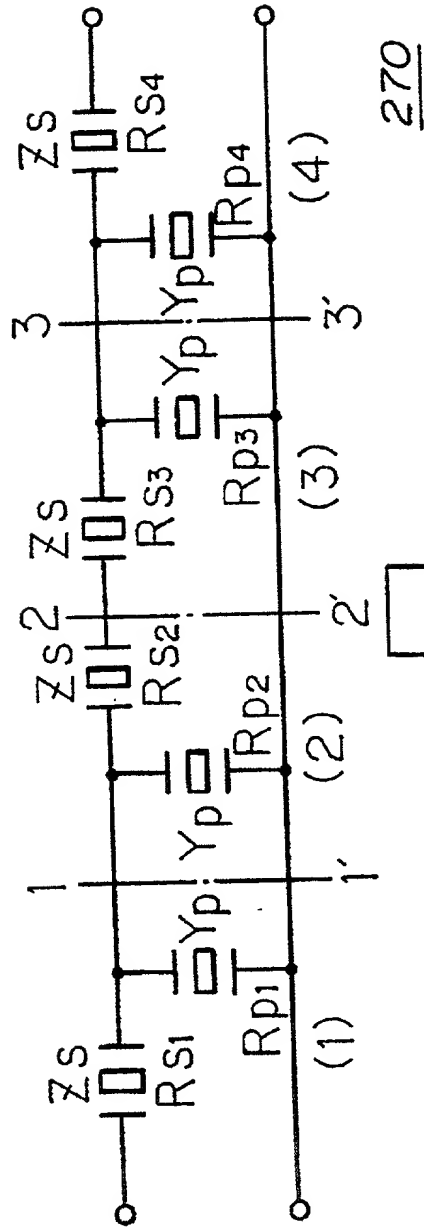


FIG. 67

280

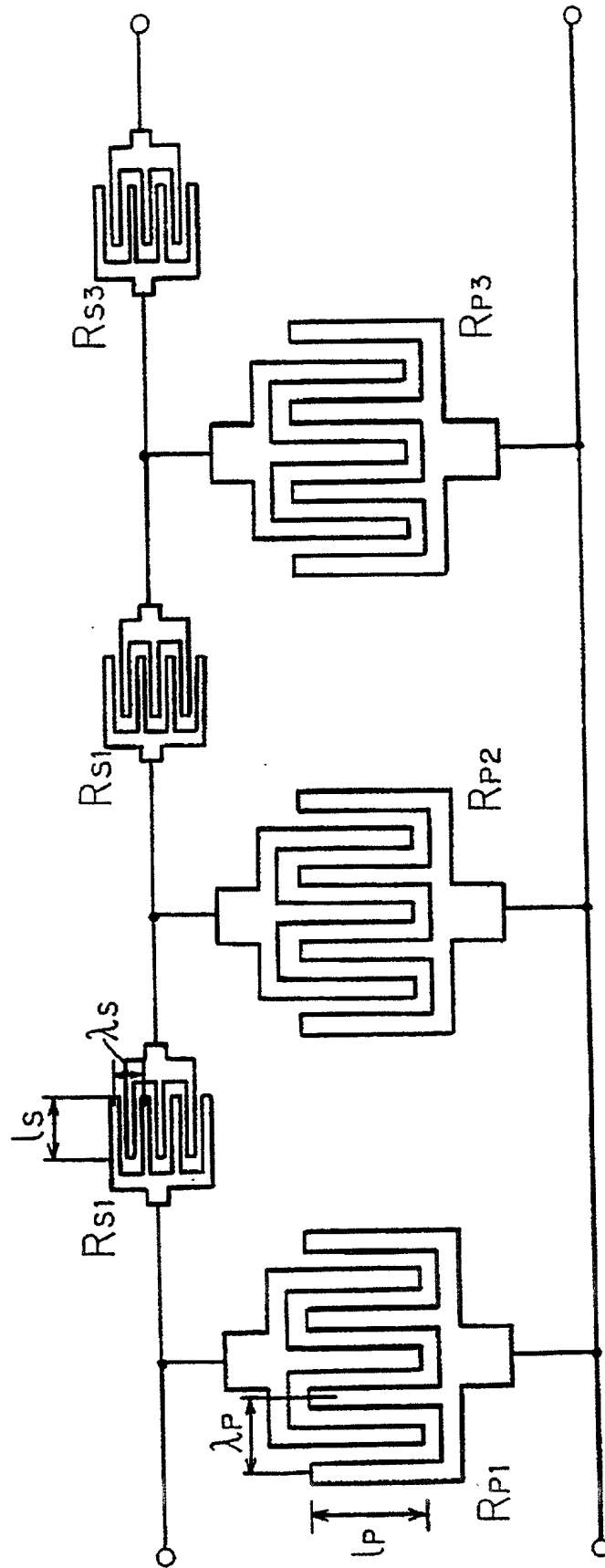
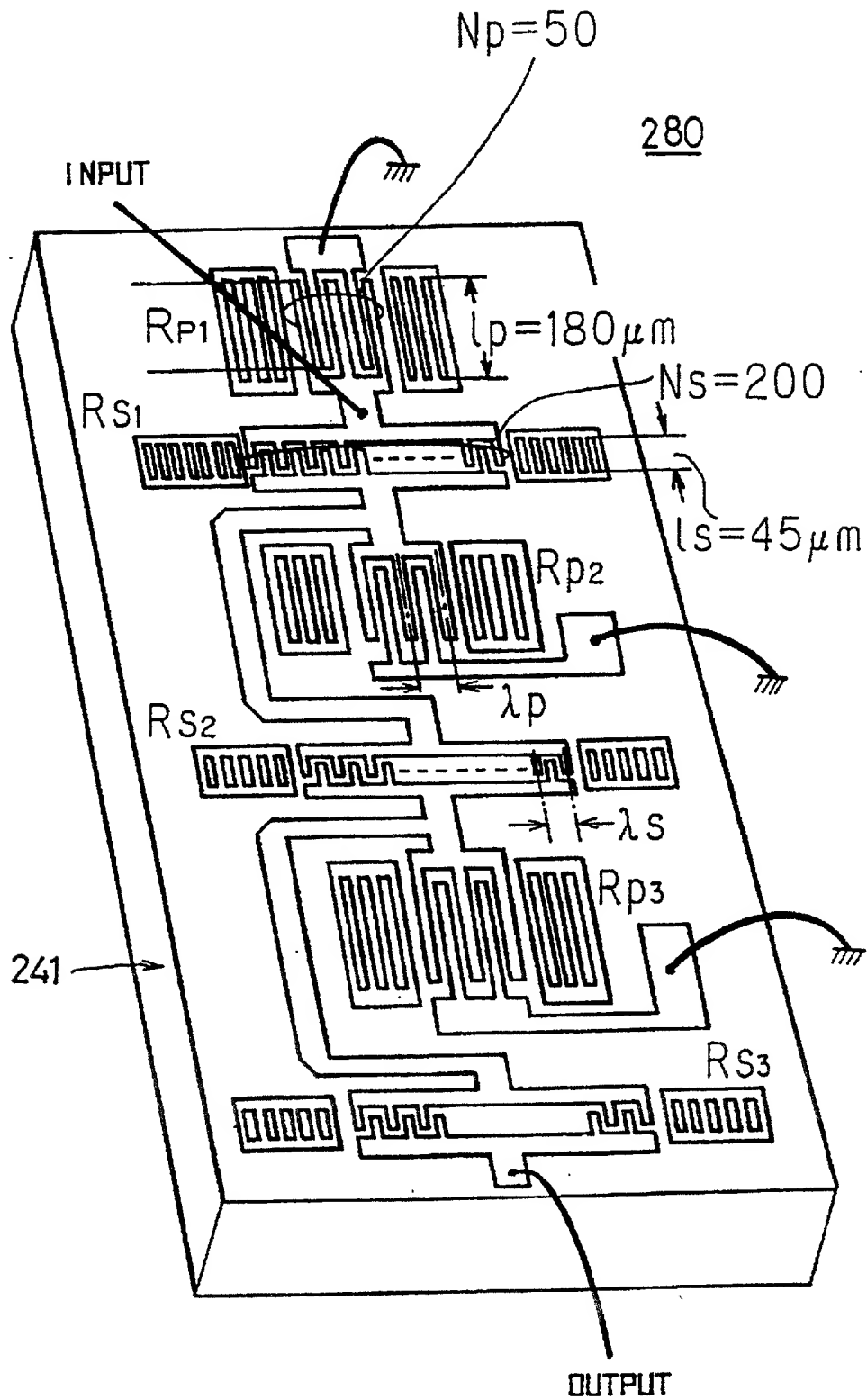


FIG. 68



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FIG. 69

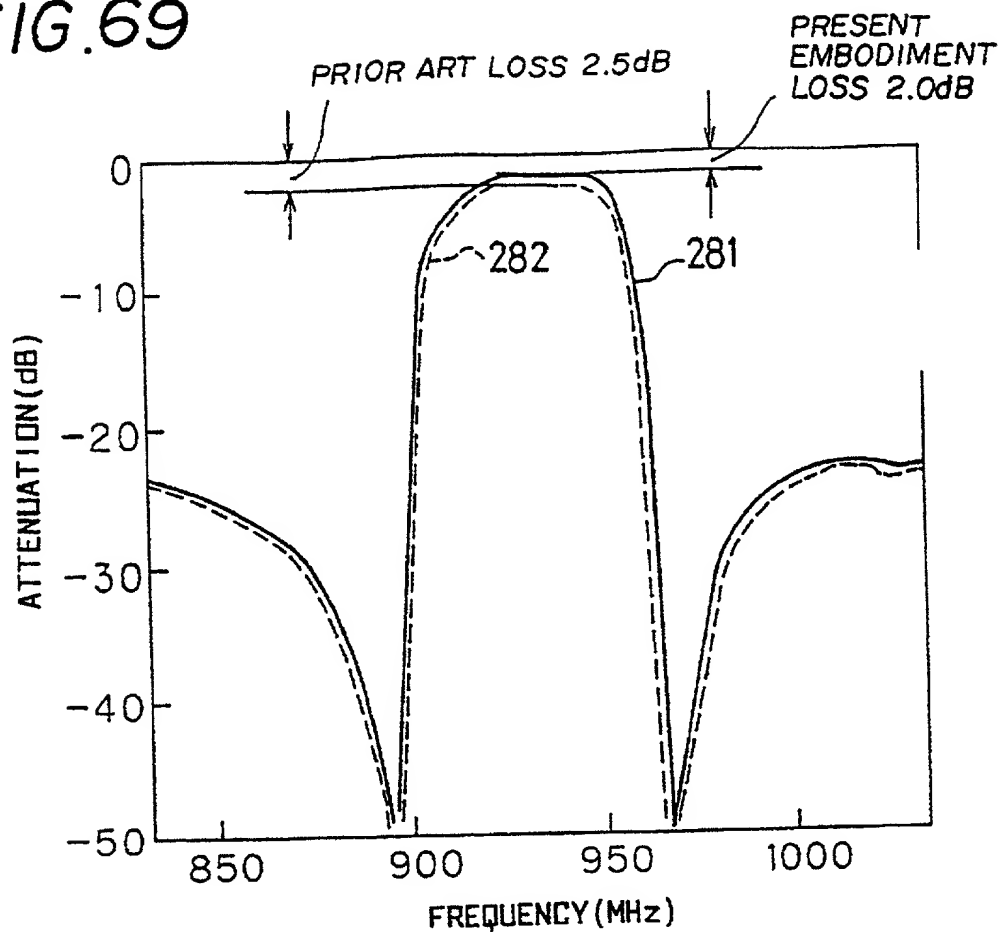


FIG. 70

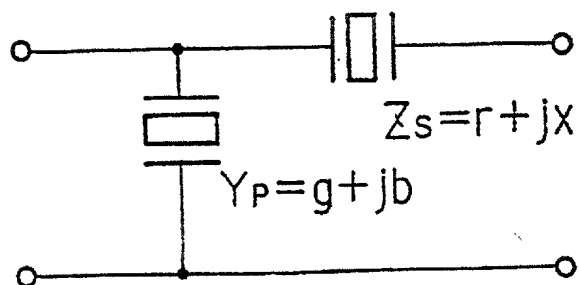


FIG. 71A

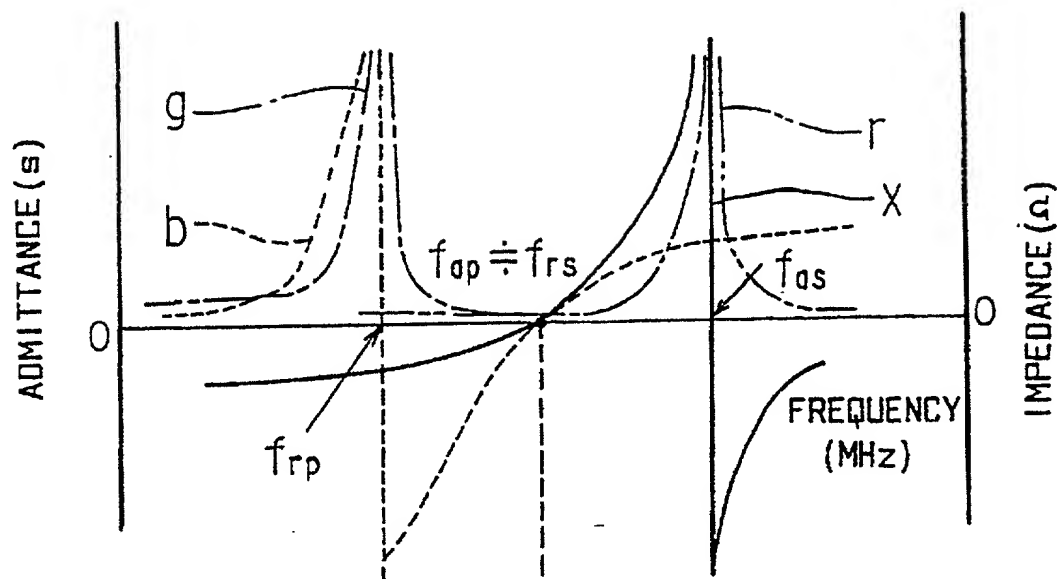


FIG. 71B

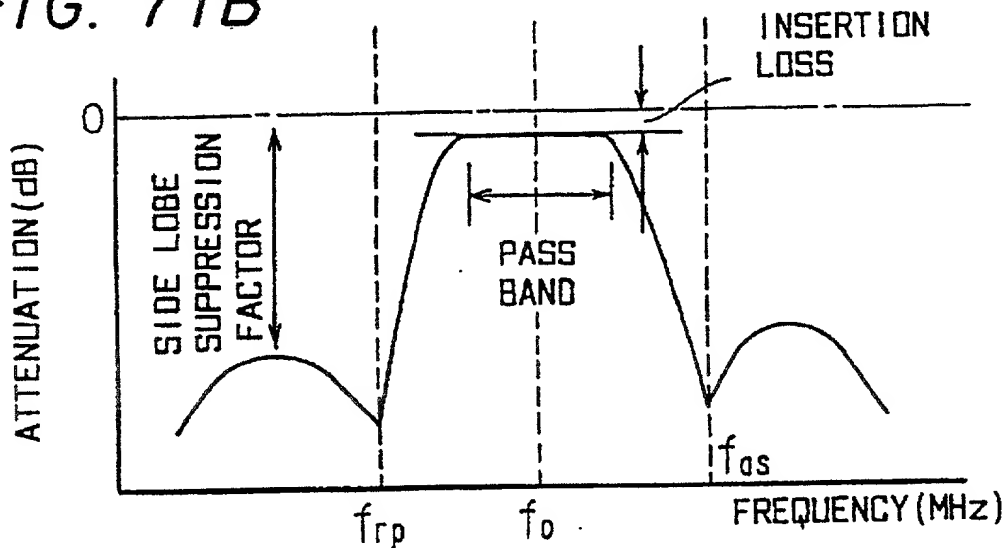


FIG. 72

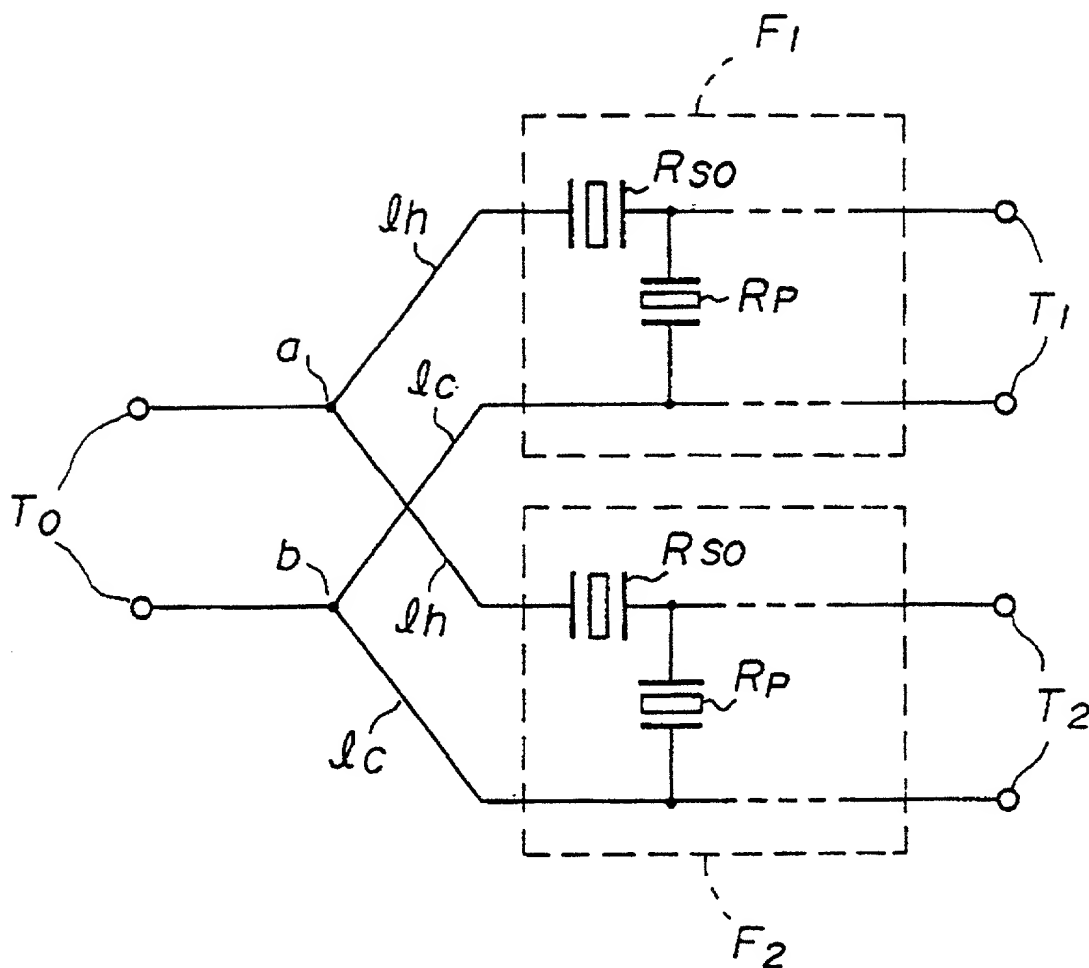


FIG. 72

**FIG. 73**

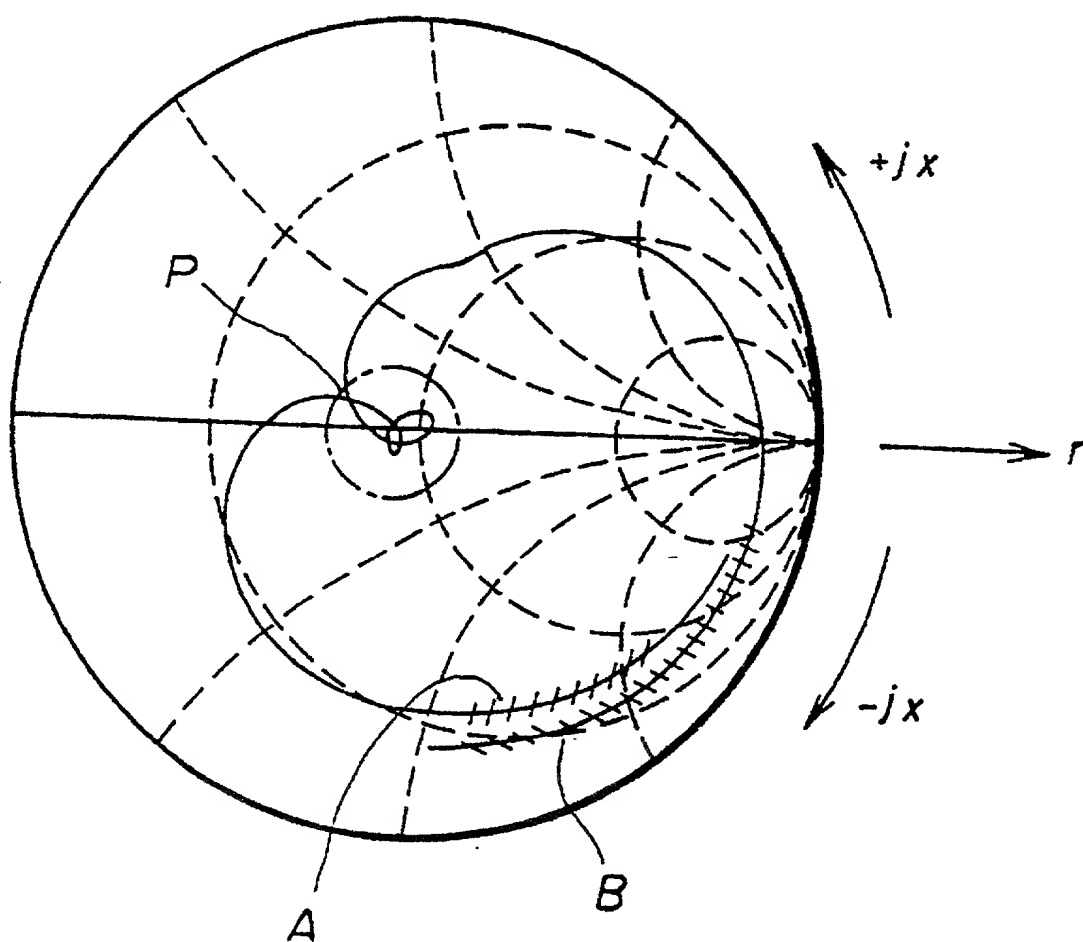
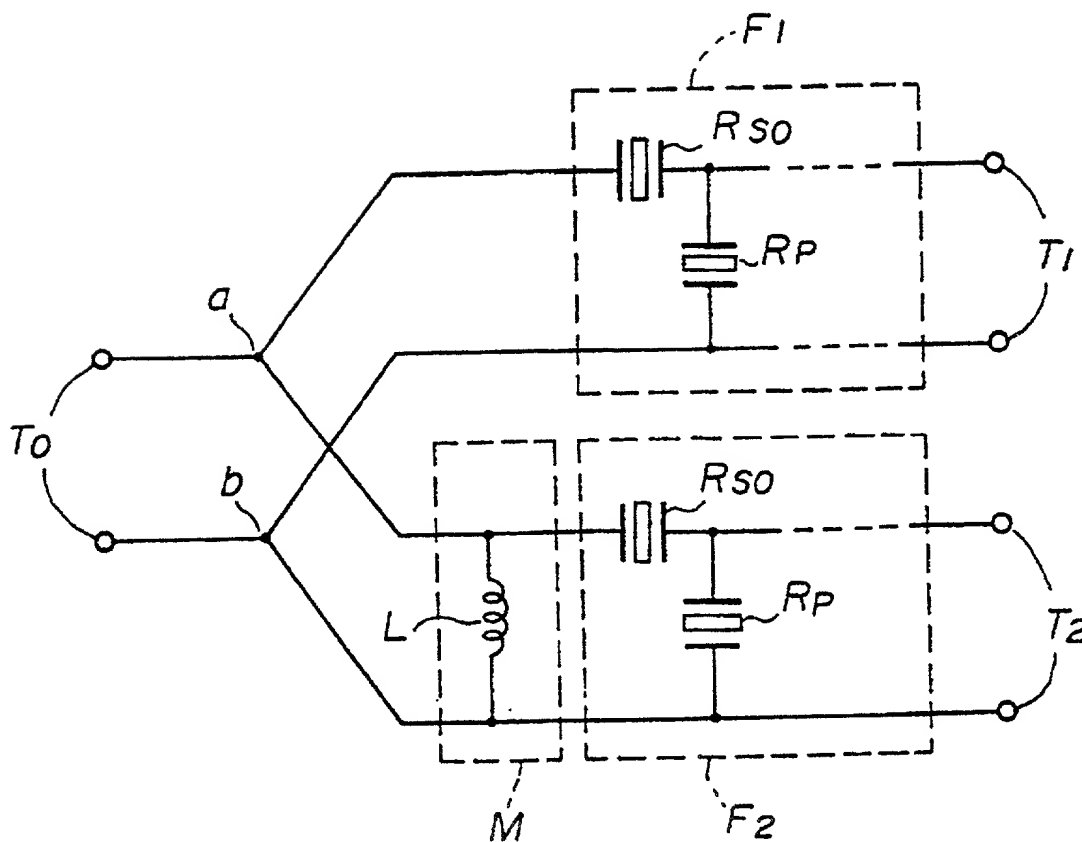
[illegible]

FIG. 74



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**FIG. 75**

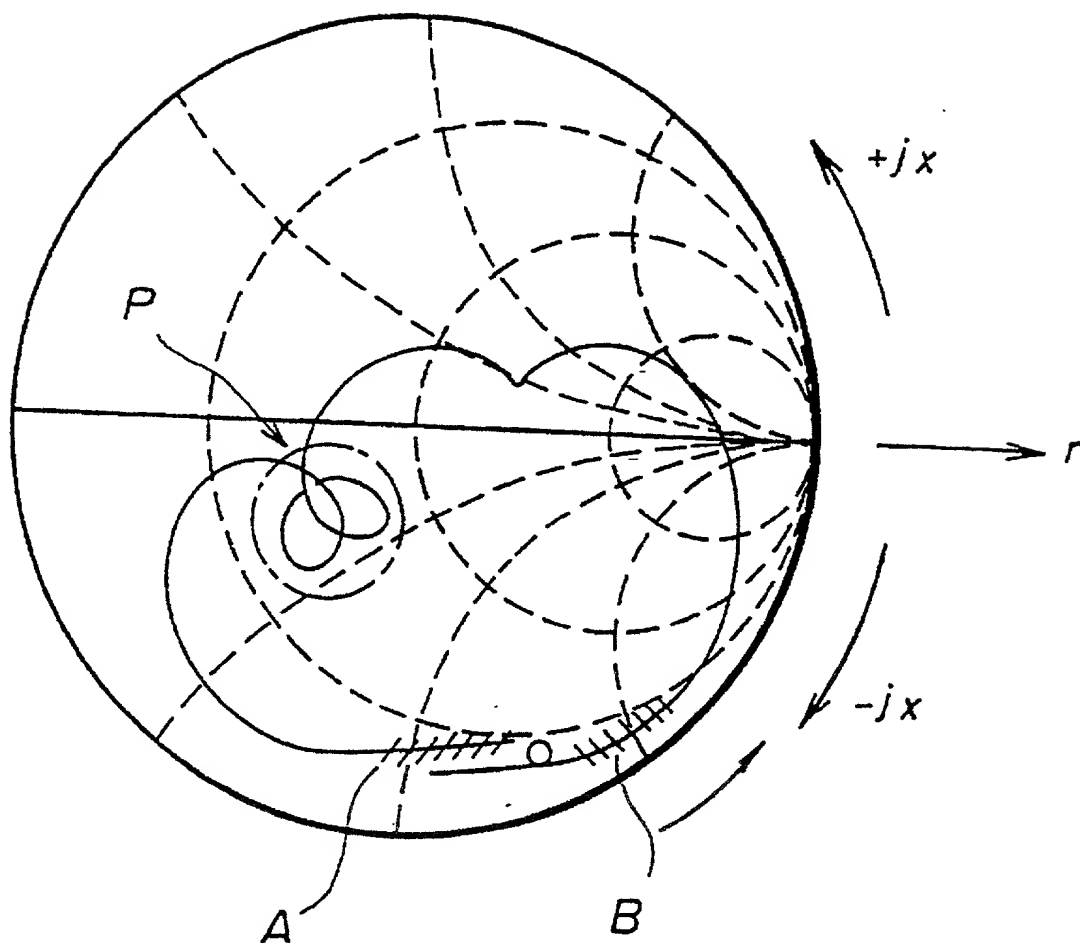


FIG. 75

FIG. 76

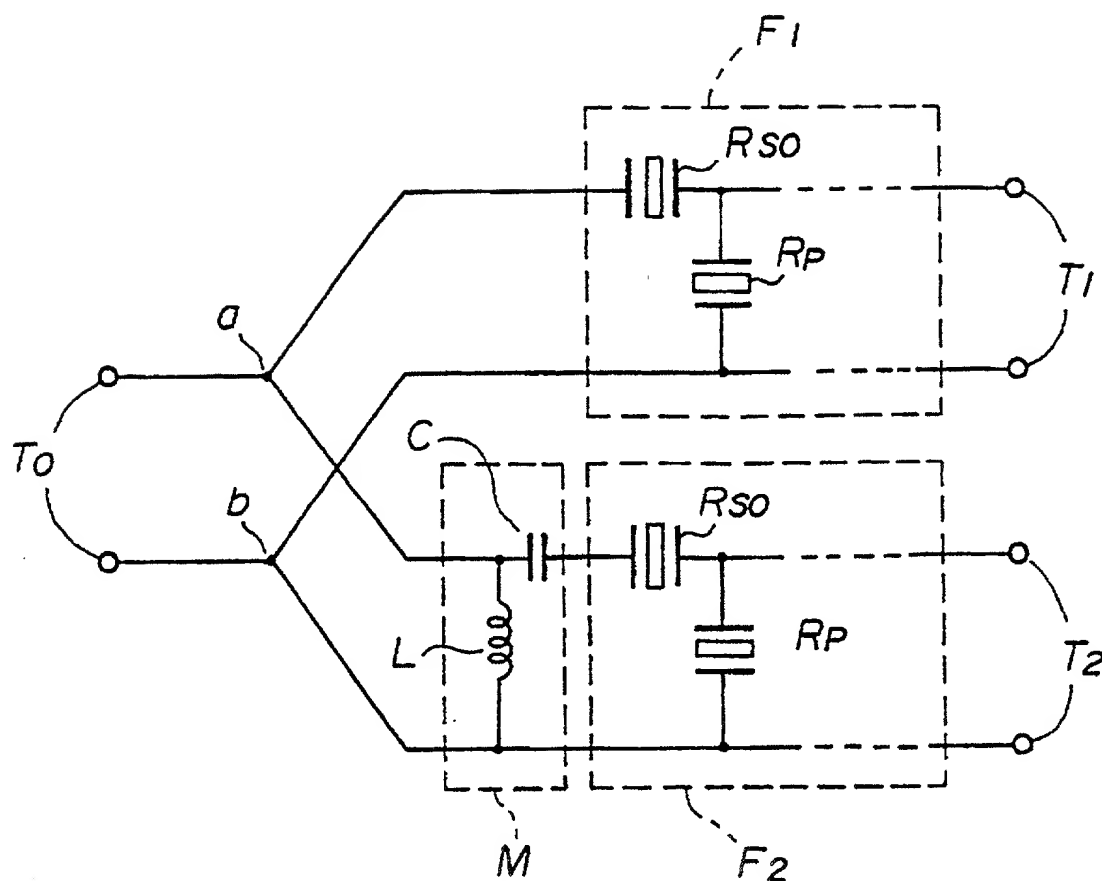


FIG. 76

**FIG. 77**

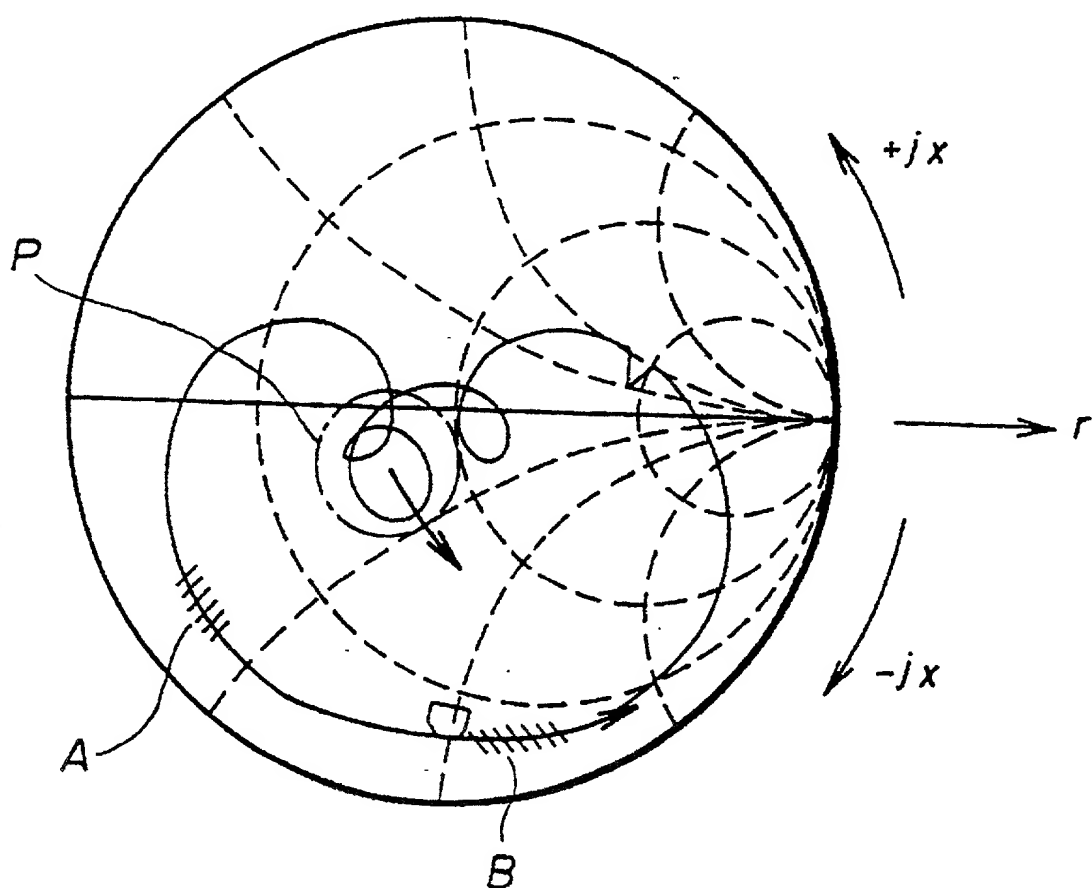




FIG. 78

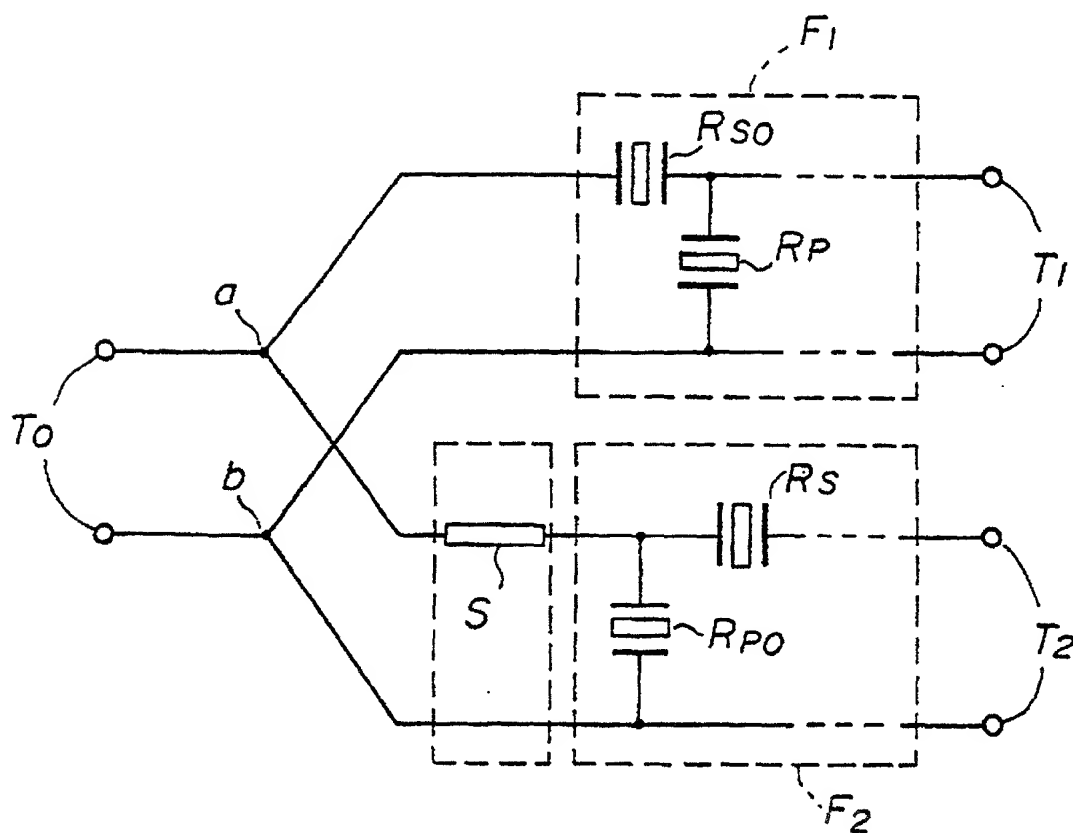


FIG. 78

FIG. 79

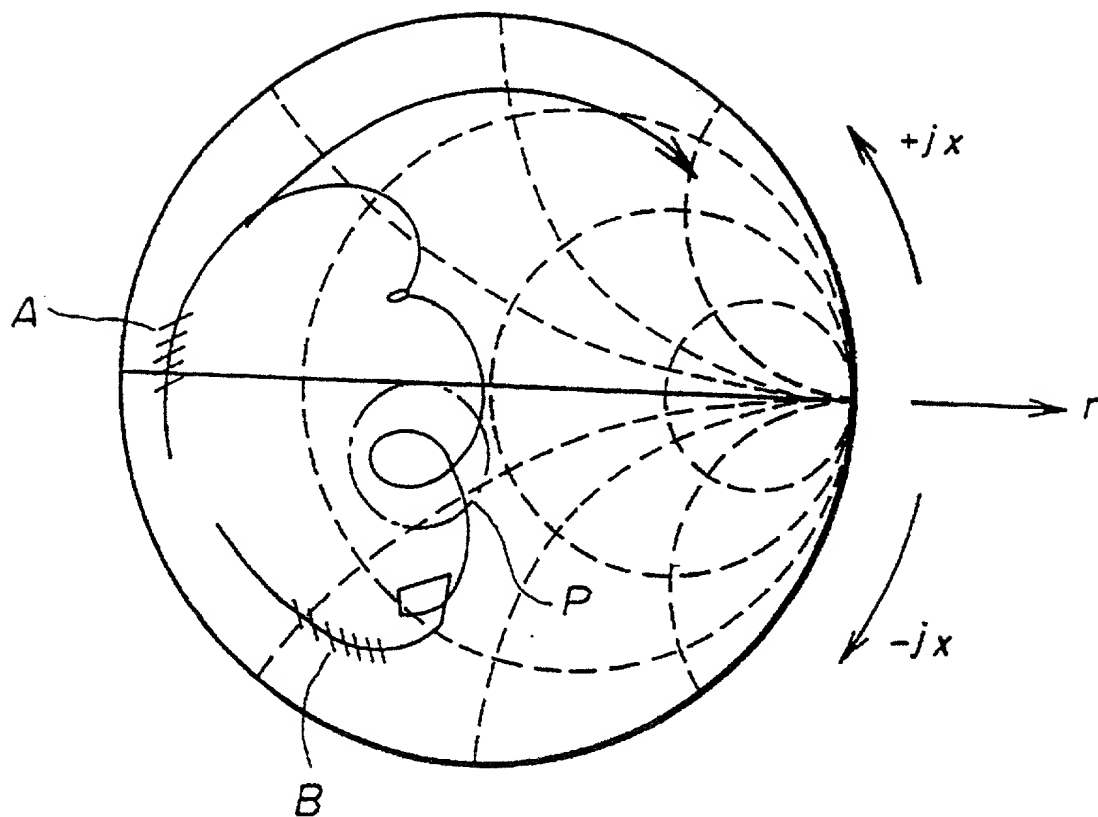


FIG. 79